

APOLLO
G & N SPECIFICATION
ND 1002183
15 August 1963

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ND 1002183
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TDRR 02928

DESCRIPTION AND REQUIREMENTS

FOR

PROCESS FOR

CASTING WITH 2850 FT
EPOXY RESIN SYSTEM

DESCRIPTION AND REQUIREMENTS FOR PROCESS FOR CASTING
WITH 2850FT EPOXY RESIN SYSTEM.

1. The purpose of this document is to establish the procedure for casting electronic components or assemblies with a low thermal expansion coefficient and low shrinkage epoxy resin system. This document is intended for use in the APOLLO Guidance and Navigation Equipment program.

Record of Revisions

Revision Letter	TDRR Number	Pages Revised	Approvals		Date
			MIT	NASA	

This specification consists of page i through iv and 1 through 5 inclusive.

W.H.Cupper 5 Sep 63
MIT INSTRUMENTATION LABORATORY

Hillard J. Swartz 9/5/63
NASA/MSC APPROVAL

ii

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1. SCOPE

1.1 Scope. This document covers the procedure for casting electronic assemblies and components with a low-thermal expansion coefficient and low shrinkage epoxy resin system.

2. APPLICABLE DOCUMENTS

2.1 The following documents of the issue in effect on the date for invitation for bids, forms a part of this specification to the extent specified herein.

SPECIFICATIONS

Federal -

O-A-51

Acetone, Technical

B-B-F-671

Freon, T. F.

DRAWINGS

Apollo G & N : cations

1006904
1010306
1006834
1006835

Epoxy Resin
Curing Agent
Silicone Rubber Compound
Curing Agent

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WITH 2850FT EPOXY RESIN SYSTEM.

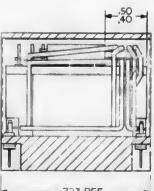
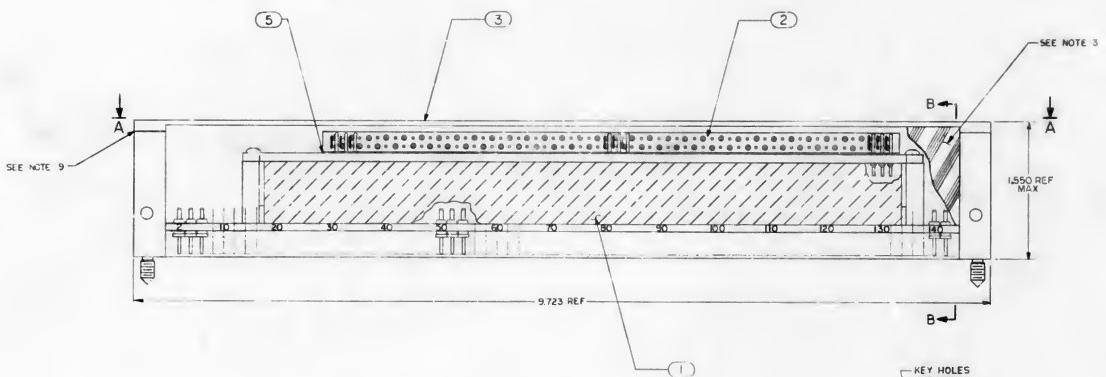
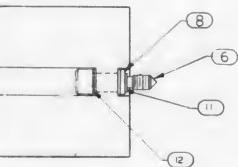
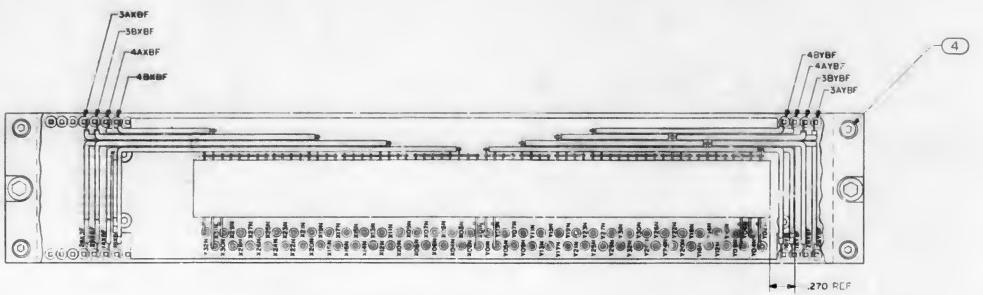
1. The purpose of this document is to establish the procedure for casting electronic components or assemblies with a low thermal expansion coefficient and low shrinkage epoxy resin system. This document is intended for use in the APOLLO Guidance and Navigation Equipment program.

W Kupfer 5 Sep 63
MIT INSTRUMENTATION LABORATORY

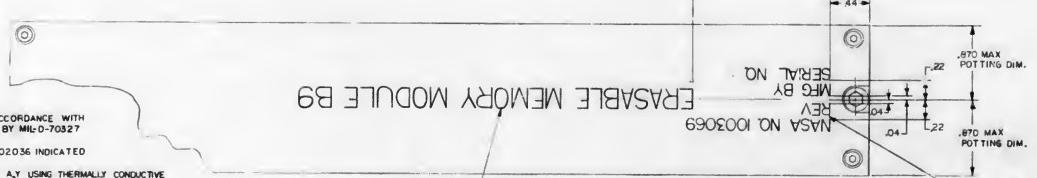
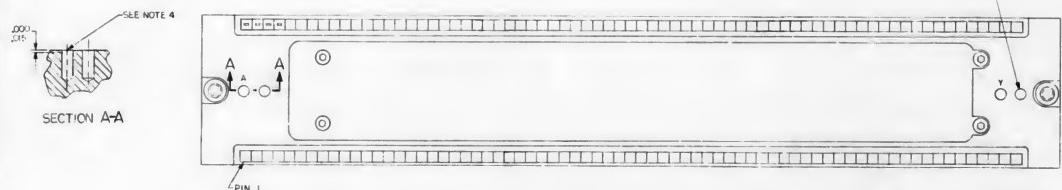
William L. Swigle 9/5/63
NASA/MSC APPROVAL

APOLLO
G & N SPECIFICATION
ND 1002183
15 August 1963

PREPARED BY	TITLE	DATE
<u>J.W.O. Blatt</u> RAYTHEON	ENGINEER	<u>27 August 1963</u>
EXAMINED BY	TITLE	DATE
<u>J.P. Antges</u> RAYTHEON	MANAGER OF TECHNICAL SERVICES	<u>29 Aug 63</u>
APPROVED BY	TITLE	DATE
<u>K.W.H.</u> RAYTHEON	MANAGER OF DEVELOPMENT ENGINEERING	<u>27 Aug 63</u>
APPROVED BY	TITLE	DATE
<u>Eldon C. Hall</u> MIT/IL	MIT	<u>30 Aug 63</u>
APPROVED BY	TITLE	DATE
<u>John Morris</u> MIT/IL	MIT	<u>1/30/63</u>
APPROVED BY	TITLE	DATE



SECTION B-B



VIEW A A

NOTES -

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. WELD PER NO 102005
3. ENCAPSULATE PER ND1002036 INDICATED AREA ONLY
4. FILL KEYING HOLES MARRIED AT USING THERMALLY CONDUCTIVE RESIN PER NO 102005

6. A.R DENOTLS AS REQUIRED
7. MARK .250 HIGH WHITE PER ND1002019 AND ND1002122 TYPE II CLASS I
8. MARK .093 HIGH WHITE PER ND1002019 AND ND1002122 TYPE II CLASS 2, SERIALIZE PER ND1002023
9. APPLY FINISH NO.1 TO INTERFACE PRIOR TO ASSY

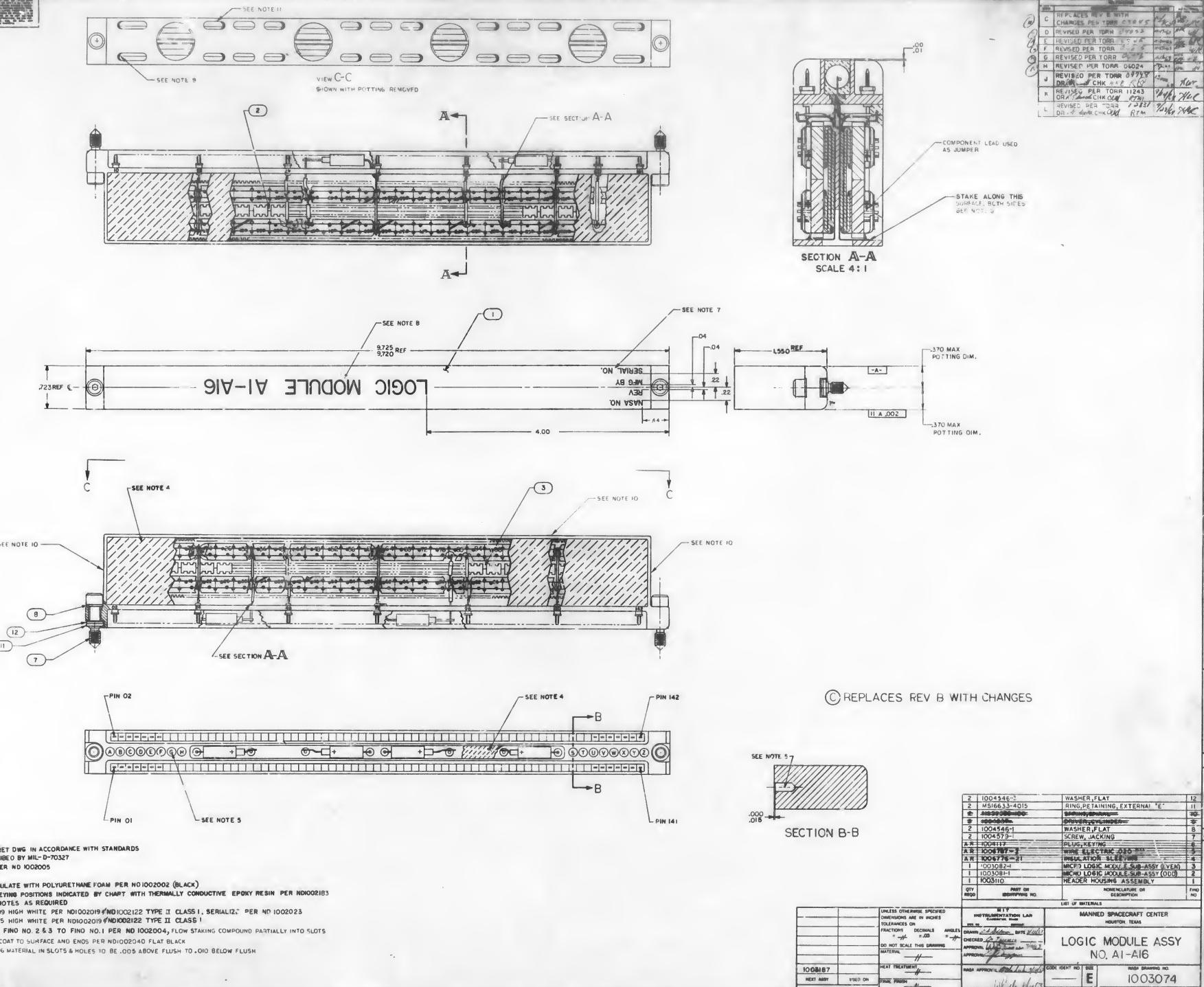
SCHEMATIC	REF.
SILICONE COMPOUND THERMOCONDUCTIVE	15
WASHER, FLAT	12
LINK RETAINING EXTERNAL "E"	10
SCREW, COUNTERSUNK	9
SCREW, COUNTERSUNK ELECTRIC SCREW	9
WASHER, FLAT	6
SCREW, FLAT	5
SCREW, FLAT	5
6 V 1/2 A DDO DOUBLE SIDED TAPE	5
SCREW, CAP, BUTTEND	4
COVER, ERASABLE MEMORY MODULE	3
DIODE, BLOCK ASSEMBLY	2
ERASABLE MEMORY CORE STACK ASSY	1

MANNED SPACECRAFT CENTER

ERASABLE MEMORY
MODULE B9
ASSEMBLY

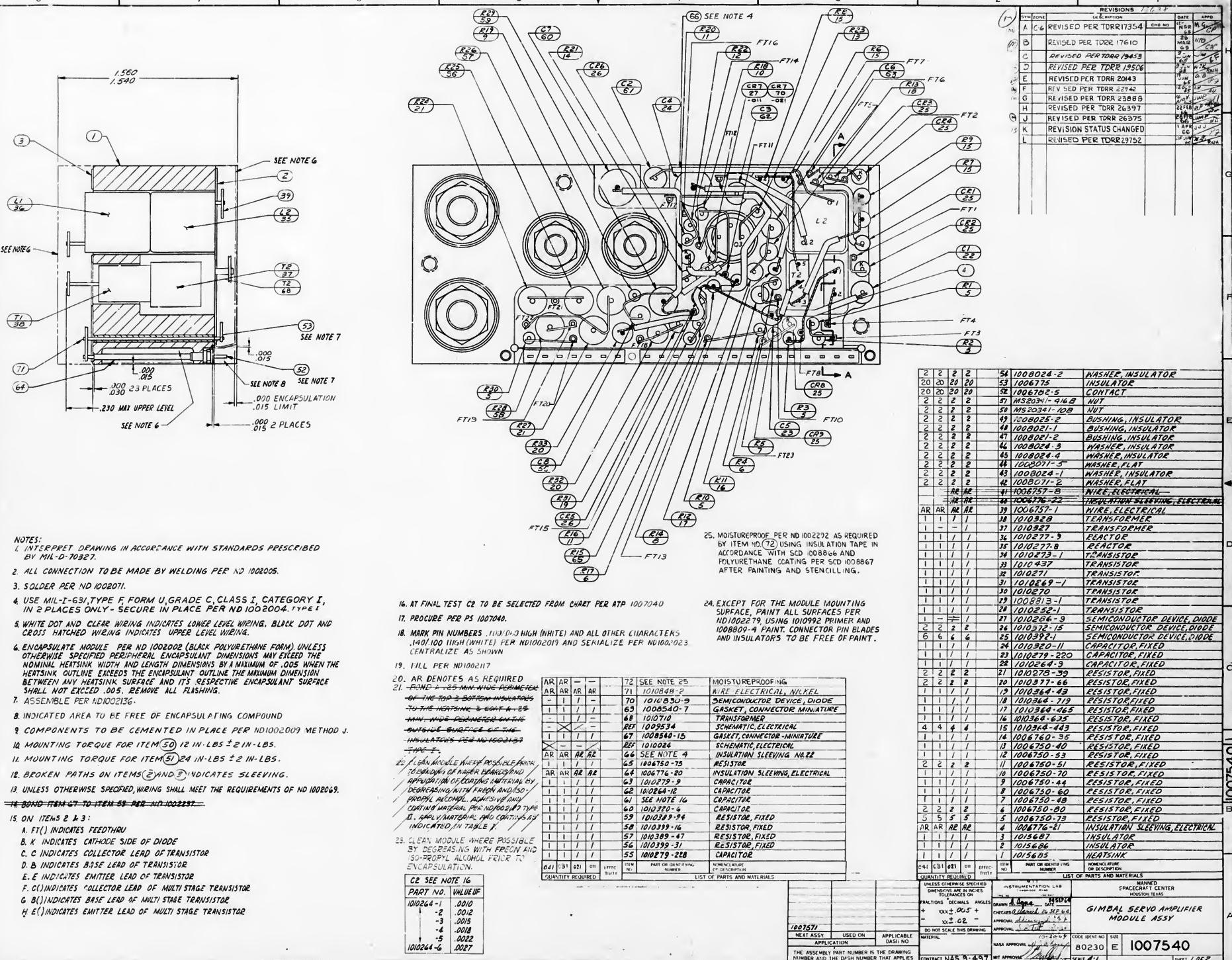
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	E	1003068	

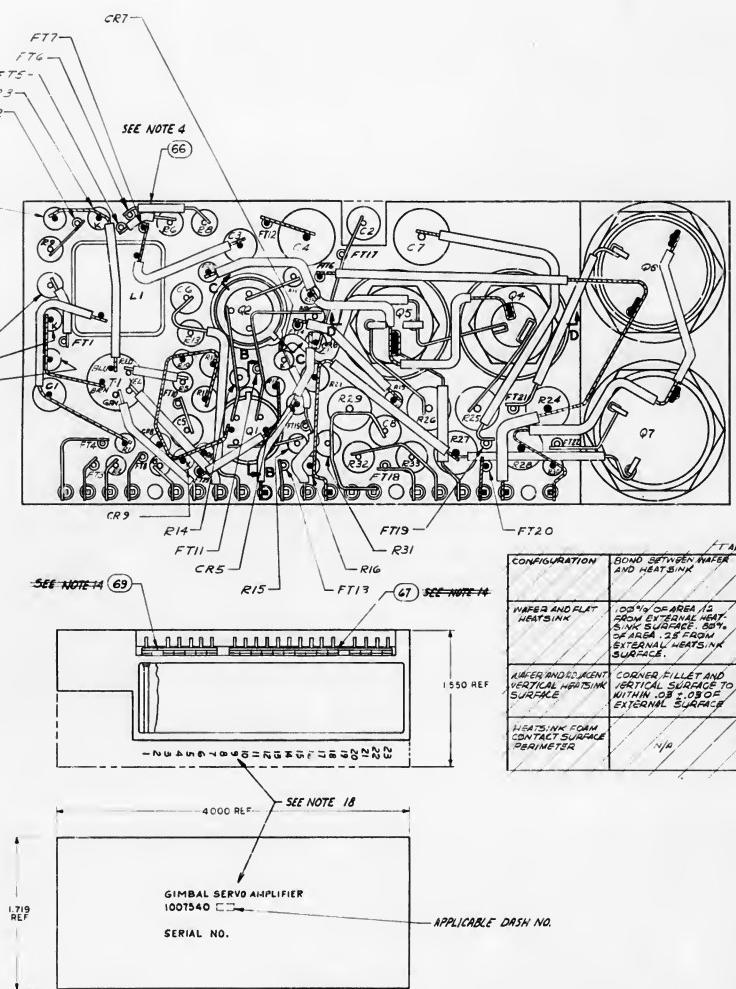
3/1 WT -
10003089



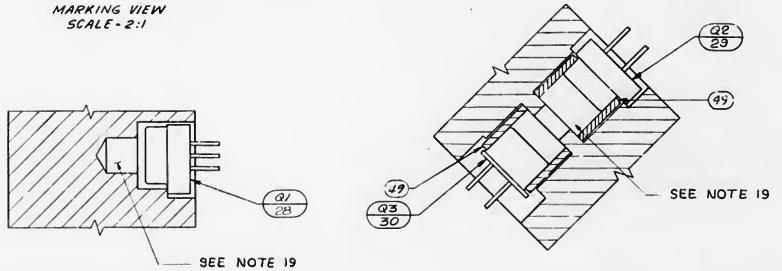
S/N	DESCRIPTION	REVISIONS	
		DATE	APPROVED
C	THIS SHEET ADDED PER	10-19-03	
D	REVISED PER TDRR 04-5-2	10-19-03	
E	REVISED PER TDRR 10-19-03	10-19-03	
F	REVISED PER TDRR 07-17-04	07-17-04	
G	REVISED PER TDRR 07-17-04	07-17-04	
H	REVISED PER TDRR 06-20-05	06-20-05	
J	REVISED PER TDRR 07-09-05	07-09-05	
J	DR MNL - FCHN 4R5 10-19-03	10-19-03	
K	REVISED PER TDRR 10-19-03	10-19-03	Vogel, Hae
L	REVISED PER TDRR 10-19-03	10-19-03	St. John, Hae

QTY REQD	PART OR IDENTIFYING NO.	INCLINATION OR DESCRIPTION	FILE NO.
		LIST OF MATERIALS	
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES	ITEM # INSTRUMENTATION LAB CAMBRIDGE MASS	MANNED SPACECRAFT CENTER HOUSTON TEXAS
	DO NOT SCALE THIS DRAWING MATERIAL	UNAPPROVED DATE 12-20-64 CHECKED <i>[Signature]</i> CIV. UVAL <i>[Signature]</i> VACUUM <i>[Signature]</i> APPROVED <i>[Signature]</i>	LOGIC MODULE ASSY NO. AI-A16
NEXT ASSY USED IN	HEAT TREATMENT	NASA APPROVAL <i>[Signature]</i>	CODE IDENT NO. S/N E NASA DRAWING NO. 1003074
APPLICATION	FINAL FINISH	MIT APPROVAL <i>[Signature]</i>	SCALE WT SHEET 2 OF 2



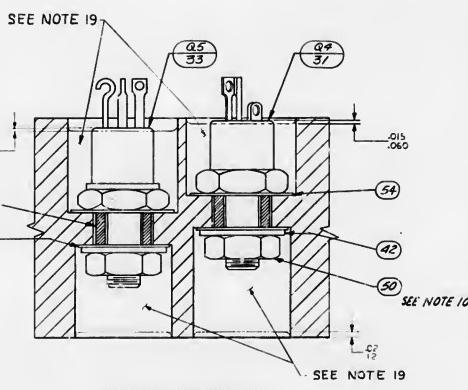
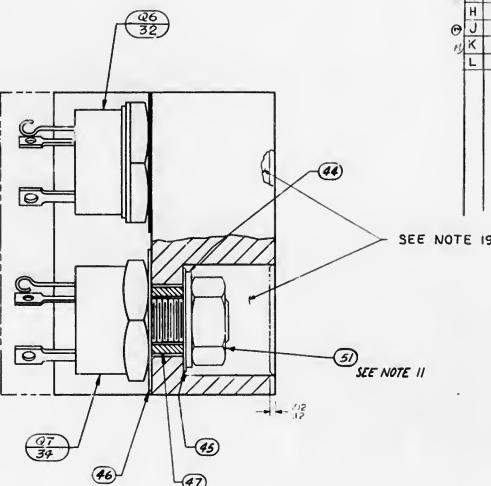


CONFIGURATION	BOND BETWEEN WAFER AND HEATSINK	TOP OF WAFER	HEATSINK COM CONTACT SURFACE ADJACENT TO HEATSINK EXTERNAL SURFACE
WAFER AND FLAT HEATSINK	.005" OF AREA .12 SQIN EXTERNAL HEAT SINK SURFACE AND .005" OF AREA .25 FROM EXTERNAL HEATSINK SURFACE	.10% OF AREA .25 FROM EXTERNAL MODULE SURFACE	N/A
ABOVE AND ADJACENT VERTICAL HEATSINK SURFACE	COPURED FILLET AND CITICAL SURFACE TO WITHIN .0B ± .0050 IN EXTERNAL SURFACE	.10% OF AREA .25 FROM EXTERNAL MODULE SURFACE	N/A
HEATSINK COM CONTACT SURFACE PERIMETER	N/A	N/A	.25 MM WIDTH OF TOTAL AVAILABLE ON 95% OF PERIMETER TO WITHIN .0B ± .0050 IN EXTERNAL SURFACE



PARTIAL SECTION B-B

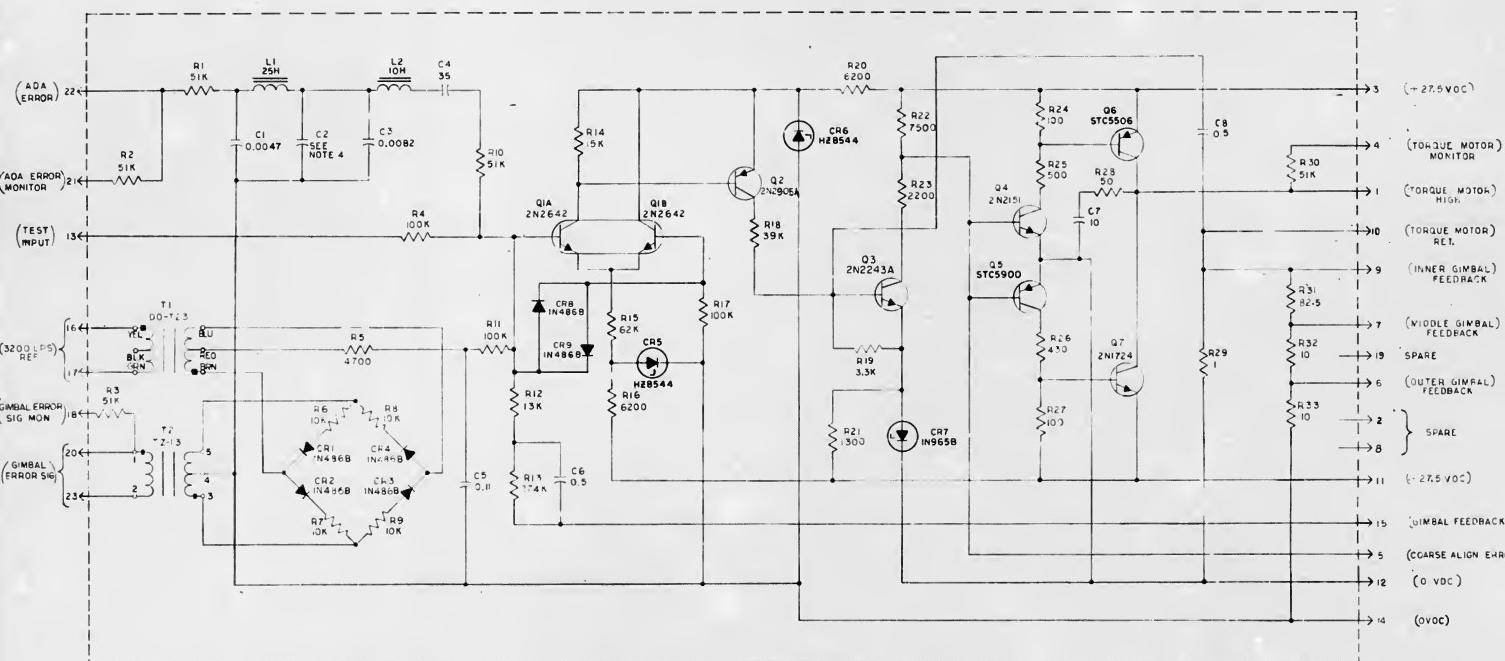
PARTIAL SECTION C-C



PARTIAL SECTION D-D

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TU BRACES ON		M/T INSTRUMENTATION LAB	NAMED SPACERAT CENTER HOUSTON, TEXAS	
FRACTIONS AND AVLES	+ - + - + -	PRINTED <u>10-10-84</u> DATE <u>10-10-84</u>	GIMBAL SERVO AMPLIFIER MODULE ASSY	
DO NOT SCALE THIS DRAWING MATERIAL		APPROVED <u>W. J. S.</u> <u>W. J. S.</u>	CODE IDENT NO. <u>B0230</u> SIZE <u>E</u>	1007540 SHEET <u>2082</u>
CONTRACT <u>NAS 9-497</u>		NAS APPROV'D <u>W. J. S.</u> <u>W. J. S.</u>	WT APPROV'D <u>W. J. S.</u> <u>W. J. S.</u>	SCALE <u>1:1</u>

REVISIONS 13635			
STN	DESCRIPTION	DATE	APPROVAL
A	REVISED PER TDRR 17610	28 MAR 66	H.Y.C. C.H.P.
B	REVISED PER TDRR 29751	28 JUN 66 G.G.	R.W.T.



C2
1010264-1 .0010
-2 0012
-3 0015
-4 0018
-5 0022

NOTES:
1-INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS
PREScribed BY MIL-STD-703Z7
2-UNLESS OTHERWISE NOTED RESISTOR VALUES ARE IN OHMS
3-UNLESS OTHERWISE NOTED CAPACITOR VALUES ARE IN MICROFARADS
4-VALUE TO BE DETERMINED BY ELECTRICAL TEST. COMPONENT TO BE
SUPPLIED FROM TABLE

DWG FOR REFERENCE:
GIMBAL SERVO AMPLIFIER MODULE ASS'Y 1007540

NOTICE - WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS OR OTHER DATA ARE USED, AND IN OTHER TRADES, THE UNITED STATES GOVERNMENT IS THE EXCLUSIVE LICENSEE THEREOF AND IS ASSISTED BY THE UNITED STATES GOVERNMENT IN ITS OPERATION. THE UNITED STATES GOVERNMENT THEREBY INCURS NO RESPONSIBILITY NOR AN OBLIGATION WHATSOEVER IN CONNECTION WITH THE USE OF THE DRAWINGS, SPECIFICATIONS OR OTHER DATA. NO LICENSE IS GRANTED BY THIS DRAWING TO ANYONE WHO MAY USE OR IN ANY WAY SUPPLY THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA OR ANY PART THEREOF, WHETHER DIRECTLY OR INDIRECTLY, EXCEPT AS PROVIDED IN THE CONTRACT FOR WHICH THE DRAWINGS, SPECIFICATIONS OR OTHER DATA WAS ISSUED. THE HOLDER OR ANY OTHER PERSON OR CORPORATION OR CONVENTIONAL INSTITUTE SHALL NOT BE ENTITLED TO ANY RIGHTS OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.

REQUIREMENTS:

- 1 GENERAL:
 - A INTERPRET DRAWING SYMBOLS, ABBREVIATIONS AND REFERENCE DESIGNATIONS IN ACCORDANCE WITH GOVERNMENT STANDARDS SPECIFIED IN MIL-D-70327.
 - B SUPPLIER SHALL CONFORM TO QUALITY ASSURANCE PROVISIONS SPECIFIED IN ND 1015404, CLASS 3.
 - C THREADS SHALL BE PER MIL-S-7742 AND SCREWS SHALL BE BURR FREE.
 - D UNITS SHALL BE CAPABLE OF MEETING APPLICABLE REQUIREMENTS OF FF-S-86

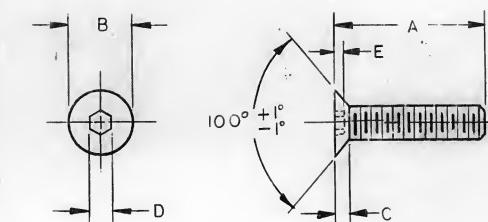
- 2 INSPECTION AND ACCEPTANCE:
 - A MATERIAL: 18-8 OR 16-8 CORROSION RESISTANT STEEL, (75,000 PSI MIN. ULT. TEN. STR.)
 - B FINISH: PASSIVATE PER MIL-F-14072, E300.
 - C DIMENSIONS: AS SHOWN.

NASA PART NUMBER	THREAD SIZE	DIMENSIONS				
		A ± .015	B	C MAX	D +.001 -.000	E
1	2-56NC-3A	.187	.172	.036	.035	.030
2		.250	.156			.020
3		.312				
4		.375				
5		.437				
6		.500				
7						
8						
9						
10						
11						
12	4-40NC-3A	.187	.225	.049	.050	.040
13		.250	.207			.035
14		.312				
15		.375				
16		.437				
17		.500				
18						
19						
20						
21						
22						
23	6-32NC-3A	.187	.279	.061	.062	.050
24		.250	.257			.045
25		.312				
26		.375				
27		.437				
28		.500				
29						
30						
31						
32						
33						
34						
35						

PROCURE ONLY FROM APPROVED SOURCES LISTED ON
ND 1002034 FOR THIS DRAWING.

NOTE 1: LENGTH TOLERANCE: UP TO 1", INCL.: ± .015
OVER 1" TO 2", INCL.: +.031
- .015

NASA PART NUMBER	THREAD SIZE	DIMENSIONS				
		A SEE NOTE 1	B	C MAX	D +.001 -.000	E
36	8-32NC-3A	.312	.300	.072	.078	.062
37		.375	.332			.057
38		.437				
39		.500				
40		.562				
41		.625				
42		.750				
43		.875				
44		1.000				
45		1.125				
46		1.250				
47		1.500				
48		1.750				
49						
50	10-32NF-3A	.375	.348	.083	.094	.072
51		.437	.385			.067
52		.500				
53		.562				
54		.625				
55		.750				
56		.875				
57		1.000				
58		1.125				
59		1.250				
60		1.500				
61		1.750				
62		2.000				
63						



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLFS	MIT INSTRUMENTATION LAB CAMBRIDGE MASS NAS9- DRAWN NO. 14-104 DATE 14-104 CHECKED 14-104 APPROVAL 14-104 APPROVAL 14-104	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING MATERIAL SEE NOTES	HEAT TREATMENT NONE	SCREW, FLAT HEAD, 100° HEX SOCKET
NEXT ASSY USED ON	FINAL FINISH NONE	SPECIFICATION CONTROL DRAWING
APPLICATION	NASA APPROVAL MIT APPROVAL WILSON 7 Aug 63 A.B. WILSON 7 Aug 63 A.B.	CODE IDENT NO. C SIZE C NASA DRAWING NO. 1010630 SCALE NONE WT SHEET 1 OF 1

1010630

A

(M)

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
-	INITIAL RELEASE CLASS A PER TDRR 02472	7 Aug 63	WILSON
A	REVISED PER TDRR 04223	24 Oct 63	WILSON

NOTICE - WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN THE MANUFACTURE OF EQUIPMENT RELATED THERETO, THE PROCUREMENT, OPERATION, THE UNITED STATES GOVERNMENT SHALL THEREBY INCUR NO RESPONSIBILITY NOR ART OWNERSHIP OF THE EQUIPMENT, FACILITIES, OR MATERIALS SO RELATED. THE GOVERNMENT FURNISHED OR HE ART WAY SUPPLIED THE SAME DRAWINGS, SPECIFICATIONS OR OTHER DATA IS FOR THE USE OF THE CONTRACTOR OR OTHER PERSON IN THE DESIGN, LICENSES THE HOLDER OR ANY OTHER PERSON IN CORPORATION, OR CONVERT THE ART TO ANOTHER USE, PROVIDED THAT THE CONTRACTOR SHALL NOT SELL ART PATENTED INVENTION THAT MAY IN ART WAY BE RELATED THERETO.

1010812-A

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
-	INITIAL RELEASE CLASS A PER TDRR 14897	11-12-64	WK
A	REVISED PER TDRR 18493 23 Apr 65	KCH	WJH

REQUIREMENTS:

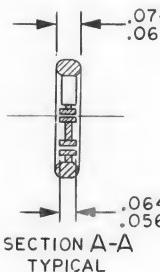
1. GENERAL:

- A. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
- B. SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS SPECIFIED IN ND 1015404, CLASS 2.

2. INSPECTION AND ACCEPTANCE:

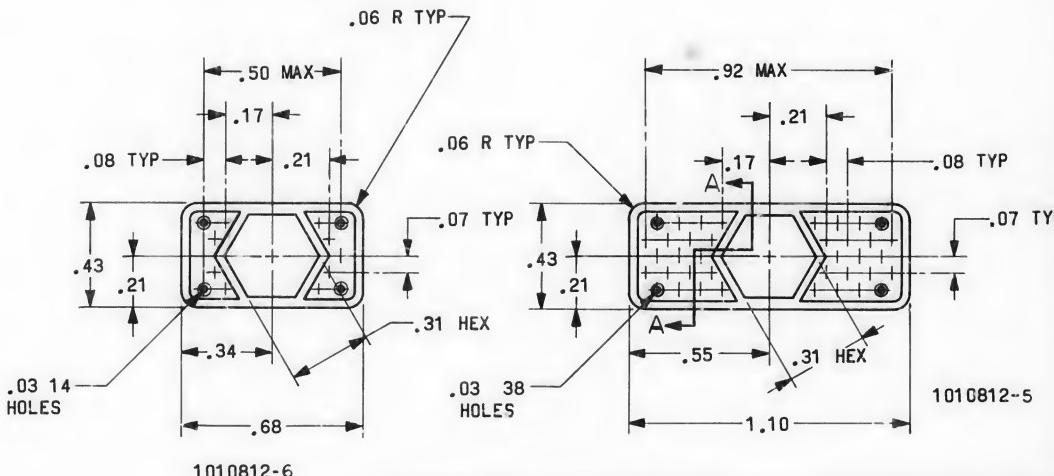
A. MECHANICAL REQUIREMENTS:

- (1) MATERIAL: SILICONE RUBBER, GENERAL PURPOSE PER AMS 3301.
- (2) PACKING:
 - (a) PRESERVATION, PACKAGING, AND PACKING SHALL BE PER ND 1002215 CLASS I, CODE 3.
- (3) MARKING: PACKAGES AND SHIPPING CONTAINERS SHALL BE MARKED WITH THE DRAWING NUMBER, DASH NUMBER AND REVISION LETTER.



NOTES:

1. FOR USE AS INTERFACIAL SEAL ON DRAWINGS 1010825, 1010815, 1010818, 1010819, 1010820, 1010823 AND 1010859



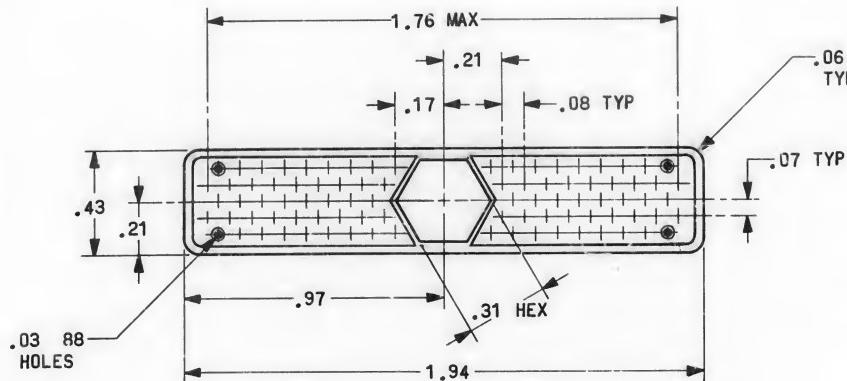
QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	FIND NO.
LIST OF MATERIALS			
	M I T INSTRUMENTATION LAB CAMBRIDGE, MASS DWG. NO. Contract NAS 9-497	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DRAWN Bender 15-OCT-64 CHECKED Ed Foster 16 OCT 64 APPROVAL KER J. Johnson 14/3/64 APPROVAL		SEAL, RUBBER SPECIAL SHAPED SECTION SUBMINIATURE	
		SPECIFICATION CONTROL DRAWING	
		CODE IDENT NO. 80230 C	NASA DRAWING NO. 1010812
		SCALE — WT	WT
		SHEET 1 of 3	

PROCURE ONLY FROM APPROVED SOURCES LISTED ON ND 1002034
FOR THIS DRAWING.

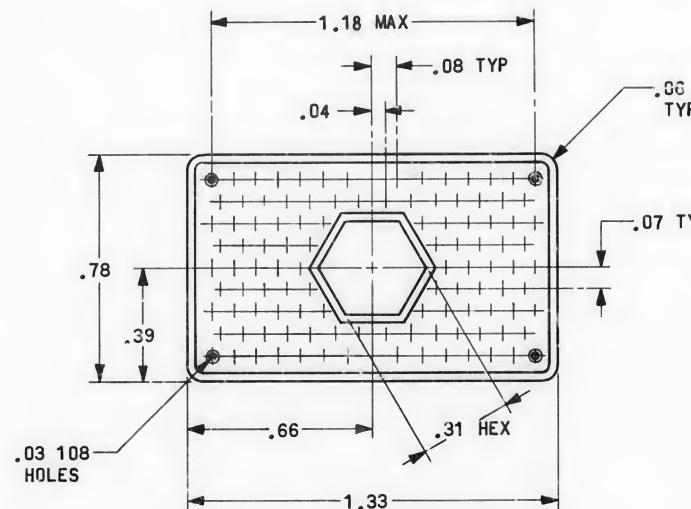
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES \pm — \pm .02 \pm	HEAT TREATMENT NONE	NASA APPROVAL W. J. Rhine 11-12-64	MIT APPROVAL W. J. Rhine 11-12-64
DO NOT SCALE THIS DRAWING MATERIAL	FINAL FINISH NONE		
SEE REQUIREMENTS	APPLICATION		
NEXT ASSY	USED ON		

NOTICE — WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR MANUFACTURE PURPOSES OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION, THE UNITED STATES GOVERNMENT HEREBY INCURS NO RESPONSIBILITY NOR ANY LIABILITY WHATSOEVER FOR ANY FACTS, STATEMENTS, OR INFORMATION WHICH APPEAR THEREIN. NO LICENSE IS GRANTED BY IMPLICATION OR OTHERWISE AS TO ANY MANNER IN WHICH ANY OF THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA IS TO BE REGRANDED OR REPRODUCED, OR AS TO ANY OTHER PRACTICE OR PURPOSE. NO LICENSE IS GRANTED TO THE HOLDER OR ANY OTHER PERSON TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
-	INITIAL RELEASE CLASS A PER TDRR 14097	11-12-64	WJK
A	REVISED PER TDRR 18493	22 Apr 65	RCH WJK



1010812-



1010812-

			LIST OF MATERIALS	
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES \pm \pm \pm	M I T INSTRUMENTATION LAB CAMBRIDGE MASS Dwg No. Contract NAS 9-497 <i>Bender</i> 16 OCT - 64 DRAWN BY DATE <i>Ed Foster</i> 16 OCT 64 CHECKED BY APPROVAL <i>NEA J. Klein 11/54</i> APPROVAL _____ APPROVAL _____	MANNED SPACECRAFT CENTER HOUSTON, TEXAS SEAL, RUBBER SPECIAL SHAPED SECTION SUBMINIATURE SPECIFICATION CONTROL DRAWING
		DO NOT SCALE THIS DRAWING MATERIAL		
NEXT ASSY	USED ON	HEAT TREATMENT	NASA APPROVAL <i>W. J. Arthur</i> 11-12-64	CODE IDENT NO. 80230 C NASA DRAWING NO. 1010812
		FINAL FINISH	MIT APPROVAL <i>W. J. Arthur</i> 11-12-64	SCALE WT SHEET 2 of 3
APPLICATION				

NOTICE — WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH THE DESIGN AND MANUFACTURE OF PRODUCTS PURCHASED BY THE UNITED STATES GOVERNMENT, THE GOVERNMENT INCURS NO RESPONSIBILITY NOR AN OBLIGATION WHATSOEVER FOR ANY USE THEREOF. THE GOVERNMENT'S AGREEMENT TO PURCHASE OR IS ANY WAY SUPPLIED THE SAME DRAWINGS, SPECIFICATIONS OR OTHER DATA IS NOT AN AGREEMENT TO LICENSE THE GOVERNMENT TO MANUFACTURE OR OTHERWISE LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONVEY THE RIGHTS OF OWNERSHIP THEREIN. THE GOVERNMENT MAY NOT SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.

4

3

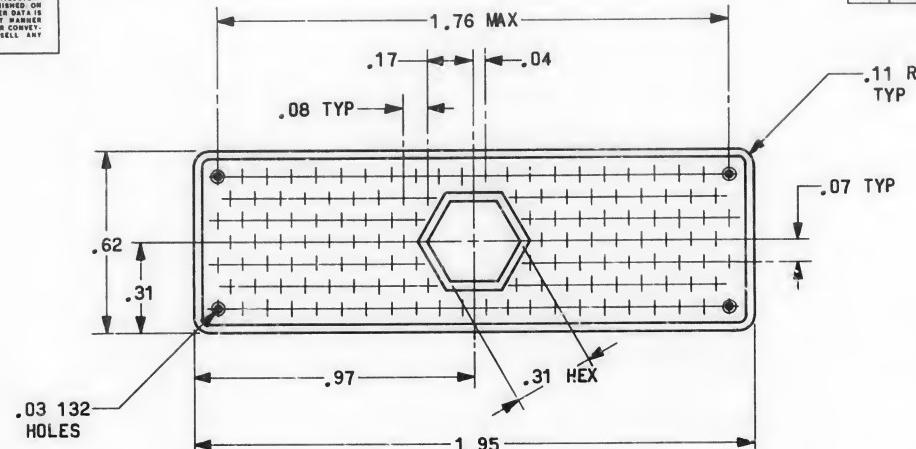
2

1

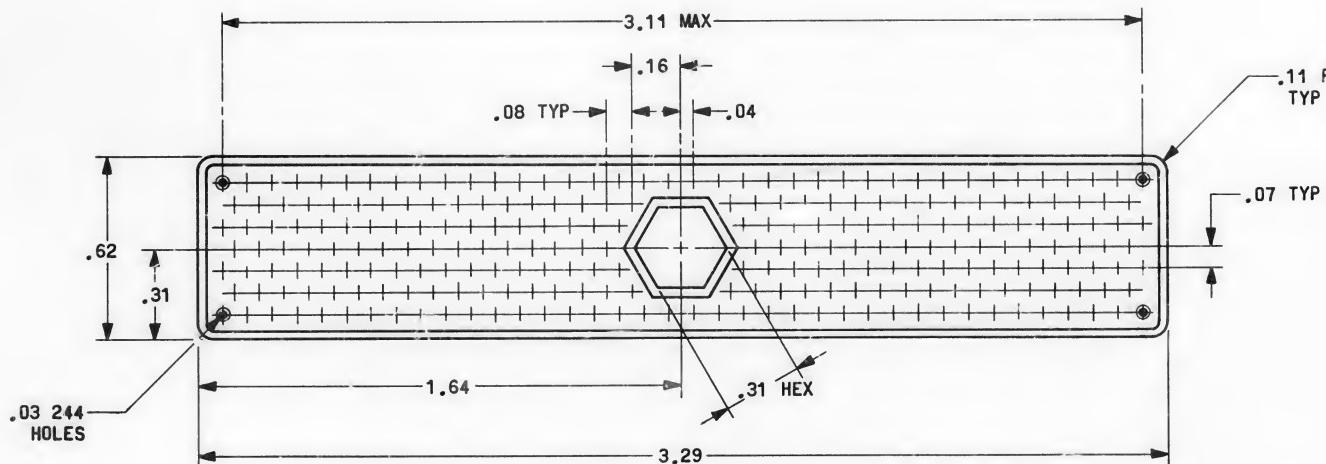
1010812 A

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
—	INITIAL RELEASE CLASS A PER TDRR 14097	11-12-64	W/R
A	REVISED PER TDRR 18493	23 APR 65	RCH W/R



1010812-2



1010812-1

QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	FIN NO.
-------------	----------------------------	--------------------------------	------------

LIST OF MATERIALS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES ± ± ±	MIT INSTRUMENTATION LAB CAMBRIDGE, MASS DRAWN <i>Bender</i> 16-027-64 CHECKED <i>El F.</i> DATE <i>16 OCT 64</i> APPROVAL <i>62A 32 Nov 11/1/64</i> APPROVAL _____	MANNED SPACECRAFT CENTER HOUSTON, TEXAS SEAL, RUBBER SPECIAL SHAPED SECTION SUBMINIATURE SPECIFICATION CONTROL DRAWING
NEXT ASSY USED ON APPLICATION	HEAT TREATMENT FINAL FINISH	CODE IDENT NO. 80230 C SIZE WT 1010812 MIT APPROVAL <i>W/R</i> <i>11-12-64</i> SHEET 3 of 3

4

3

2

1

WIRING HARNESS A									6014506		S				
WIRE IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD AREA	LEAD STRIP LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS					
A	60A	5	SHLD A60 P3-402			.20 NO .19 NO			33	BRANCH 5					
A	60B	5	E9 SHLD A60			.19 NO .20 NO									
A	60H		P3-602 P4-152			.19 NO .19 NO		34		BRANCH 5					
A	60Y		P3-502 P4-252			.19 NO .19 NO		34		BRANCH 10					
A	61	16			1.00	.75 1.00 .75			68	37					
A	61A	5	SHLD A61 P3-102			.20 NO .19 NO			33	BRANCH 5					
A	61B	5	E9 SHLD A61			.19 NO .20 NO			70						
A	61P		P3-302 P4-151			.19 NO .19 NO		34		BRANCH 5					
A	61Y		P3-202 P4-251			.19 NO .19 NO		34		BRANCH 10					
A	62	16			1.00	.75 1.00 .75			68	37					
A	62A	5	SHLD A62 P3-401			.20 NO .19 NO			33	BRANCH 5					
A	62B	5	E9 SHLD A62			.19 NO .20 NO									
									SIZE	CODE IDENT NO. A	6014506				
									SCALE-NONE	REV LTR	S	SHEET	35 OF 119		

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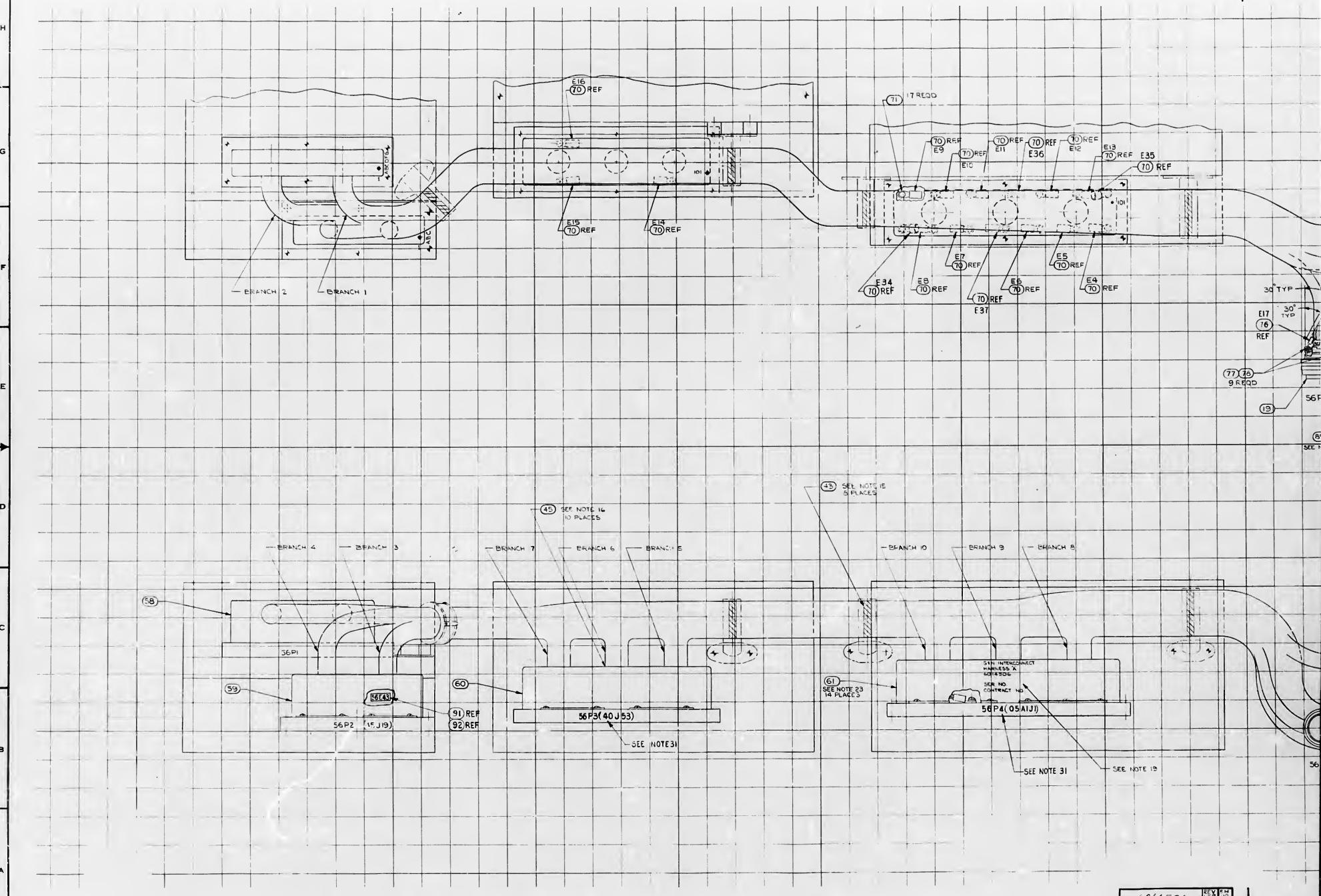
WIRING HARNESS A									6014506		S		
WIRE IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD AREA	LEAD STRIP LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS			
A	62R		P3-601 P4-150							.19 NO .19 NO	34	BRANCH 5	
A	62Y		P3-501 P4-250							.19 NO .19 NO	34	BRANCH 5	
A	63	16								1.00 1.00	.75 .75	68	37
A	63A	5	SHLD A63 P3-101							.20 NO .19 NO	33	BRANCH 5	
A	63B	5	E9 SHLD A63							.19 NO .20 NO			
A	63R		P3-301 P4-149							.19 NO .19 NO	34	BRANCH 5	
A	63Y		P3-201 P4-249							.19 NO .19 NO	34	BRANCH 10	
A	64	16								1.00 1.75	.75 1.50	68	37
A	64A	6	SHLD A64 P3-649							.20 NO .19 NO	33	BRANCH 7	
A	64B	5	P12-40 SHLD A64							.13 NO .20 NO	30		
A	64R		P12-449 P12-64							.19 NO .13 NO	30	BRANCH 7	
A	64Y		P12-549 P12-65							.19 NO .13 NO	30	BRANCH 7	
									SIZE	CODE IDENT NO. A	6014506		
									SCALE-NONE	REV LTR	S	SHEET	36 OF 119

WIRING HARNESS A									6014506		S		
WIRE IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD AREA	LEAD STRIP LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS			
A	67B	5	P9-14 SHLD A67							.13 NO .20 NO	30		
A	67R		P3-515 P9-4							.19 NO .13 NO	34	BRANCH 5	
A	67Y		P3-615 P9-5							.19 NO .13 NO	34	BRANCH 5	
A	68	16								1.00 1.75	.75 1.50	68	37
A	68A	5	SHLD A68 E14							.20 ND .19 NU			
A	68B	5	P9-24 SHLD A68							.13 NO .20 NO	30		
A	68R		P3-116 P9-25							.19 NO .13 NO	30	BRANCH 5	
A	68Y		P3-216 P9-11							.19 NO .13 NO	34	BRANCH 5	
A	69	16								1.00 1.75	.75 1.50	68	37
A	69A	5	SHLD A69 E14							.20 NO .19 NO			
A	69B	5	P9-51 SHLD A69							.13 NO .20 NO	30		
A	69R		P3-316 P9-29							.19 NO .13 NO	34	BRANCH 5	
									SIZE	CODE IDENT NO. A	6014506		
									SCALE-NONE	REV LTR	S	SHEET	38 OF 119

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16 15 14 13 12 11 10 9

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SEE SHEET I FOR REVISION RECORD

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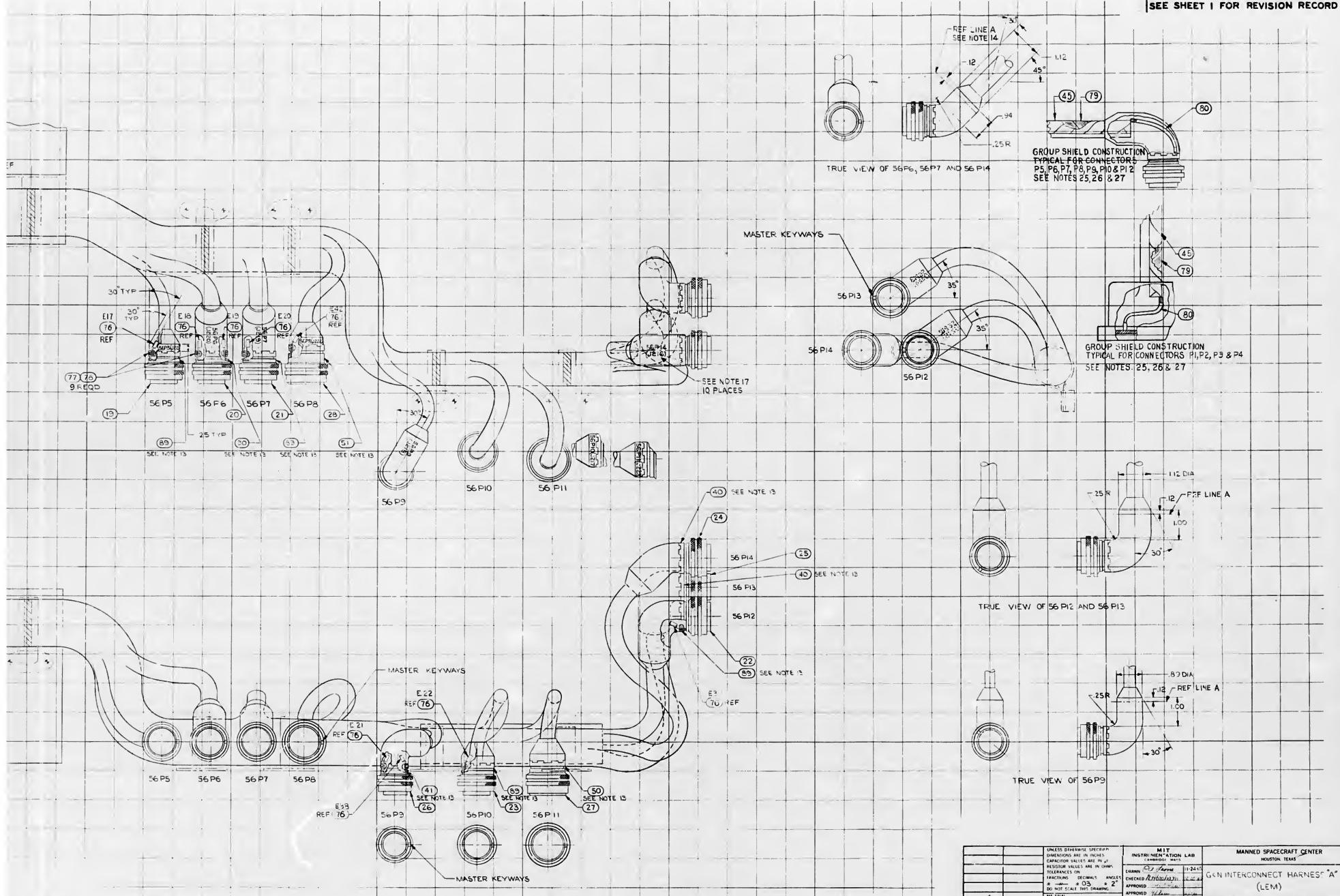
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WIRING HARNESS A										6014506		S			
WIRE LEAD IDENT	MATERIAL ITEM	LEAD ITEM	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS					
A	69Y		P3-416 P9-50				.19 NO .13 NO	34 30		BRANCH 5					
A	70	16		1.00 1.75	.75 1.50			68 68	37 37						
A	70A	5	SHLD A70 E14				.20 NO .19 NO								
A	70B	5	P9-13 SHLD A70				.13 NO .20 NO		30						
A	70R		P3-516 P9-27				.19 NO .13 NO	34 30		BRANCH 6					
A	70Y		P3-616 P9-28				.19 NO .13 NO	34 30		BRANCH 6					
A	71	16		1.00 1.75	.75 1.50			68 68	37 37						
A	71A	5	SHLD A71 E14				.20 NO .19 NO		70						
A	71B	5	P9-9 SHLD A71				.13 NO .20 NO		30						
A	71K		P3-117 P9-22				.19 NO .13 NO	34 30		BRANCH 6					
A	71Y		P3-217 P9-23				.19 NO .13 NO	34 30		BRANCH 6					
A	72	15		1.00 1.75	.75 1.50			68 68	37 37						
SIZE		CODE IDENT NO. 80230		6014506											
SCALE-NONE		REV LTR		S		SHEET		39 OF 119							

WIRING HARNESS A										6014506		S			
WIRE LEAD IDENT	MATERIAL ITEM	LEAD ITEM	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS					
A	72A	5	SHLD A72 E12							.20 NO .19 NO					
A	72B	5	P13-17 SHLD A72							.13 NO .20 NO					
A	72K		P4-325 P13-16							.19 NO .13 NO					
A	72Y		P4-425 P13-33							.19 NO .13 NO					
A	73	16					1.00 1.75	.75 1.50		68 68					
A	73A	5	SHLD A73 E11							.20 NO .19 NO					
A	73B	5	P13-9 SHLD A73							.13 NO .20 NO					
A	73K		P4-139 P13-22							.19 NO .13 NO					
A	73Y		P4-239 P13-21							.19 NO .13 NO					
A	74	16					1.00 1.75	.75 1.50		68 68					
A	74A	5	SHLD A74 E11							.20 NO .19 NO					
A	74B	5	P13-24 SHLD A74							.13 NO .20 NO					
SIZE		CODE IDENT NO. 80230		6014506											
SCALE-NONE		REV LTR		S		SHEET		40 OF 119							

WIRING HARNESS A										6014506		S			
WIRE LEAD IDENT	MATERIAL ITEM	LEAD ITEM	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS					
A	74K		P4-138 P13-10				.19 NO .13 NO		34 30	BRANCH 9					
A	74Y		P4-238 P13-23				.19 NO .13 NO		34 30	BRANCH 9					
A	75	16		1.00 1.75	.75 1.50			68	37						
A	75A	5	SHLD A75 E11				.20 NO .19 NO								
A	75B	5	P13-26 SHLD A75				.13 NO .20 NO		30						
A	75P		P4-137 P13-11				.19 NO .13 NO		34 30	BRANCH 9					
A	75Y		P4-237 P13-25				.19 NO .13 NO		34 30	BRANCH 9					
A	76	16		1.00 1.75	.75 1.50			68	37						
A	76A	5	SHLD A76 E11				.20 NO .19 NO								
A	76B	5	P13-13 SHLD A76				.13 NO .20 NO		30						
A	76R		P4-136 P13-12				.19 NO .13 NO		34 30	BRANCH 9					
A	76Y		P4-236 P13-27				.19 NO .13 NO		34 30	BRANCH 9					
SIZE		CODE IDENT NO. 80230		6014506											
SCALE-NONE		REV LTR		S		SHEET		41 OF 119							

WIRING HARNESS A										6014506		S			
WIRE LEAD IDENT	MATERIAL ITEM	LEAD ITEM	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS					
A	77	16					1.00 1.75	.75 1.50		68 68					
A	77A	5	SHLD A77 E11							.20 NO .19 NO					
A	77B	5	P13-30 SHLD A77							.13 NO .20 NO					
A	77R		P4-135 P13-14							.19 NO .13 NO					
A	77Y		P4-235 P13-29							.19 NO .13 NO					
A	78	16					1.00 1.75	.75 1.50		68 68					
A	78A	5	SHLD A78 E11							.20 NO .19 NO					
A	78B	5	P13-32 SHLD A78							.13 NO .20 NO					
A	78R		P4-134 P13-15							.19 NO .13 NO					
A	78Y		P4-234 P13-31							.19 NO .13 NO					
A	79	16					1.00 1.75	.75 1.50		68 68					
A	79A	5	SHLD A79 E13							.20 NO .19 NO					
SIZE		CODE IDENT NO. 80230		6014506											
SCALE-NONE		REV LTR		S		SHEET		42 OF 119							

WIRING HARNESS A										6014506		S			
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS					
A	79B	S	P13-38 SHLD A79				.13 NO .20 NO		30						
A	79R		P4-117 P13-63				.19 NO .13 NO		34 30	BRANCH 8					
A	79Y		P4-217 P13-62				.19 NO .13 NO		34 30	BRANCH 8					
A	80	9													
A	80R		P1-A17 P13-81				.19 NO .13 NO		34 30	BRANCH 1					
A	80Y		P1-A18 P13-56				.19 NO .13 NO		34 30	BRANCH 1					
A	81	9													
A	81R		P1-A24 P13-2				.19 NO .13 NO		34 30	BRANCH 2					
A	81Y		P1-B24 P13-1				.19 NO .13 NO		34 30	BRANCH 2					
A	82	9													
A	82R		P1-C24 P13-3				.19 NO .13 NO		34 30	BRANCH 2					
A	82Y		P1-D24 P13-4				.19 NO .13 NO		34 30	BRANCH 2					
SIZE		CODE IDENT NO. 80230		6014506											
SCALE-NONE		REV LTR		S		SHEET		43 OF 119							

WIRING HARNESS A										6014506		S			
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS					
A	83	9													
A	83R		P1-F24 P13-5							.19 NO .13 NO	34 30	BRANCH 2			
A	83Y		P1-G24 P13-6							.19 NO .13 NO	34 30	BRANCH 2			
A	84	15								1.00 1.75		68	37		
A	84A	5	SHLD A84 E12							.20 NO .19 NO					
A	84B	5	P13-36 SHLD A84							.13 NO .20 NO		30			
A	84R		P4-327 P13-18							.19 NO .13 NO	33 30	BRANCH 9			
A	84Y		P4-427 P13-35							.19 NO .13 NO	33 30	BRANCH 9			
A	85	15								1.00 1.75		68	37		
A	85A	5	SHLD A85 E12							.20 NO .19 NO					
A	85B	5	P13-20 SHLD A85							.13 NO .20 NO		30			
A	85R		P4-326 P13-19							.19 NO .13 NO	33 30	BRANCH 9			
SIZE		CODE IDENT NO. 80230		6014506											
SCALE-NONE		REV LTR		S		SHEET		44 OF 119							

WIRING HARNESS A										6014506		S			
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS					
A	85Y		P4-426 P13-37				.19 NO .13 NO		33 30	BRANCH 9					
A	86	8													
A	86R		P1-G25 P13-85				.19 NO .13 NO		33 30	BRANCH 2					
A	86Y		P1-F25 P13-61				.19 NO .13 NO		33 30	BRANCH 2					
A	87	8													
A	87R		P1-G26 P13-84				.19 NO .13 NO		33 30	BRANCH 2					
A	87Y		P1-F26 P13-59				.19 NO .13 NO		33 30	BRANCH 2					
A	88	8													
A	88R		P1-G27 P13-82				.19 NO .13 NO		33 30	BRANCH 2					
A	88Y		P1-F27 P13-58				.19 NO .13 NO		33 30	BRANCH 2					
A	89	16					1.00 1.75		68	37					
A	89A	5	SHLD A89 E5				.20 NO .19 NO								
SIZE		CODE IDENT NO. 80230		6014506											
SCALE-NONE		REV LTR		S		SHEET		45 OF 119							

WIRING HARNESS A										6014506		S	
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS			
A	89B	S	P13-42 SHLD A89							.13 NO .20 NO		30	
A	89K		P4-317 P13-41							.19 NO .13 NO	34 30	BRANCH 8	
A	89Y		P4-417 P13-66							.19 NO .13 NO	34 30	BRANCH 8	
A	90	16								1.00 1.75		68	37
A	90A	5	SHLD A90 E5							.20 NO .19 NO			
A	90B	5	P13-71 SHLD A90							.13 NO .20 NO		30	
A	90R		P4-320 P13-46							.19 NO .13 NO	34 30	BRANCH 8	
A	90Y		P4-420 P13-70							.19 NO .13 NO	34 30	BRANCH 8	
A	91	16								1.00 1.75		68	37
A	91A	5	SHLD A91 E5							.20 NO .19 NO			
A	91B	5	P13-47 SHLD A91							.13 NO .20 NO		30	
A	91R		P4-321 P13-72							.19 NO .13 NO	34 30	BRANCH 8	
SIZE		CODE IDENT NO. 80230		6014506									
SCALE-NONE		REV LTR		S		SHEET		46 OF 119					

WIRING HARNESS A										6014506
LEAD IDENT	WIRE	LEAD	CIRCUIT PT	TERM. JKT	SHLD	LEAD	INS	NOTE	REMARKS	
									ONE, FIG	ITEMS
A	91Y		P4-421 P13-48				.19	NU	.34	BRANCH B
							.13	NU	30	
A	92	16				1.00	.75		68	37
						1.75	1.50		68	37
A	92A	5	SHLD E13	A92			.20	NU		
							.19	NU		
A	92B	5	P13-60 SHLD A92				.13	NU	30	
							.20	NU		
A	92R		P4-118 P13-55				.19	NU	.34	BRANCH B
							.13	NU	30	
A	92Y		P4-216 P13-79				.19	NU	.34	BRANCH B
							.13	NU	30	
A	93	16				1.00	.75		68	37
						1.75	1.50		68	37
A	93A	5	SHLD E13	A93			.20	NU		
							.19	NU		
A	93B	5	P13-40 SHLD A93				.13	NU	30	
							.20	NU		
A	93R		P4-119 P13-64				.19	NU	.34	BRANCH B
							.13	NU	30	
A	93Y		P4-219 P13-65				.19	NU	.34	BRANCH B
							.13	NU	30	
A	94	16				1.00	.75		68	37
						1.75	1.50		68	37
SIZE		CODE IDENT NO. 80230			6014506					
A								6014506		
SCALE-NONE				REV LTR		S	SHEET 47 OF 110			

WIRING HARNESS A											6014506
LEAD IDENT	WIRE ITEM	MATERIAL	CIRCUIT PT	TERM. JKT	SHLD	LEAD	INS	NOTE	REMARKS		
									ONE, FIG	ITEMS	
A	96R		P4-319 P13-43				.19 NO .13 NO		34 30	BRANCH 8	
A	96Y		P4-419 P13-67				.19 NO .13 NO		34 30	BRANCH 8	
A	97	16			1.00	.75			68	37	
					1.75	1.50			68	37	
A	97A	5	SHLD E5	A97			.20 NO .19 NO				
A	97B	5	P13-45 SHLD A97				.13 NO .20 NO		30		
A	97R		P4-318 P13-44				.19 NO .13 NO		34 30	BRANCH 8	
A	97Y		P4-419 P13-69				.19 NO .13 NO		34 30	BRANCH 8	
A	98	3	P2-G19 P4-524				.19 NO .19 NO		33 33	P, BRANCH 4 BRANCH 9	
A	99	7									
A	99R		P2-A24 P14-n0				.19 NO .13 NO		33 30	BRANCH 4	
A	99Y		P2-A25 P14-n1				.19 NO .13 NO		33 30	BRANCH 4	
A	100	12									

WIRING HARNESS A										6014506	S
WIRE LEAD IDENT	WIRE MATL ITEM	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, LG	ACCESSORY ITEMS FIG	REMARKS	
A 100G		P2-K31 P14-4					.19 NU .13 NU		33 30	BRANCH 4	
A 100N		P2-K30 P14-3					.19 NU .13 NU		33 30	BRANCH 4	
A 100R		P2-K29 P14-1					.19 NU .13 NU		33 30	BRANCH 4	
A 100Y		P2-K28 P14-2					.19 NU .13 NU		33 30	BRANCH 4	
A 101	13										
A 101G		P1-G39 P2-H31					.19 NU .19 NU		34 34	BRANCH 2 BRANCH 4	
A 101N		P1-G38 P2-H30					.19 NU .19 NU		34 34	BRANCH 2 BRANCH 4	
A 101R		P1-G37 P2-H29					.19 NU .19 NU		34 34	BRANCH 2 BRANCH 4	
A 101Y		P1-G36 P2-H26					.19 NU .19 NU		34 34	BRANCH 2 BRANCH 4	
A 102	7										
A 102R		P2-K6 P11-E*					.19 NU .19 NU		33 31	BRANCH 3	
A 102Y		P2-K7 P11-H*					.19 NU .19 NU		33 31	BRANCH 3	

WIRING HARNESS A

6014506 S

WIRE LEAD IDENT	MATERIAL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	REMARKS ACCESSORY ITEMS	REMARKS	
									LEAD ITEM	LEAD LG
A 103	7									
A 103P	P2-D6 P11-F*			.19 NO		.19 NO	33	BRANCH 3		
A 103Y	P2-D7 P11-G*			.19 NO		.19 NO	33	BRANCH 3		
A 104	7									
A 104P	P2-C6 P11-Y			.19 NO		.19 NO	33	BRANCH 3		
A 104Y	P2-C7 P11-Z			.19 NO		.19 NO	33	BRANCH 3		
A 105	2	P2-F8 P11-A		.19 NO		.19 NO	33	BRANCH 3		
A 106		DELETED								
A 107	7									
A 107P	P8-L P11-M			.19 NO		.19 NO	31			
A 107Y	P8-H P11-B*			.19 NO		.19 NO	31			
A 108	10									

SIZE CODE IDENT
A NO. 80230

6014506

SCALE-NONE REV LTR S

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WIRING HARNESS A

6014506 S

WIRE LEAD IDENT	MATERIAL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	REMARKS ACCESSORY ITEMS	REMARKS	
									LEAD ITEM	LEAD LG
A 112Y		P1-G16 P2-K14		.19 NO		.19 NO	34	BRANCH 1		
				.19 NO		.19 NO	34	BRANCH 3		
A 113	2	P1-G14 P11-X		.19 NO		.25 NO	33	BRANCH 1		
				.19 NO		.25 NO	33	BRANCH 1		
A 114	4	P1-B33 P3-620		.19 NO		.19 NO	34	BRANCH 2		
				.19 NO		.19 NO	34	BRANCH 6		
A 115	4	P1-B34 P3-121		.19 NO		.19 NO	34	BRANCH 2		
				.19 NO		.19 NO	34	BRANCH 6		
A 116	4	P1-C33 P3-221		.19 NO		.19 NO	34	BRANCH 2		
				.19 NO		.19 NO	34	BRANCH 6		
A 117	4	P1-C34 P3-321		.19 NO		.19 NO	34	BRANCH 2		
				.19 NO		.19 NO	34	BRANCH 6		
A 118	4	P1-U33 P3-421		.19 NO		.19 NO	34	BRANCH 2		
				.19 NO		.19 NO	34	BRANCH 6		
A 119	4	P1-D34 P3-521		.19 NO		.19 NO	34	BRANCH 2		
				.19 NO		.19 NO	34	BRANCH 6		
A 120	4	P1-F33 P3-621		.19 NO		.19 NO	34	BRANCH 2		
				.19 NO		.19 NO	34	BRANCH 6		
A 121	4	P1-F34 P3-122		.19 NO		.19 NO	34	BRANCH 2		
				.19 NO		.19 NO	34	BRANCH 6		
A 122	4	P1-G33 P3-222		.19 NO		.19 NO	34	BRANCH 2		
				.19 NO		.19 NO	34	BRANCH 6		
A 123	4	P1-G34 P3-322		.19 NO		.19 NO	34	BRANCH 2		
				.19 NO		.19 NO	34	BRANCH 6		

SIZE CODE IDENT
A NO. 80230

6014506

SCALE-NONE REV LTR S

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WIRING HARNESS A

6014506 S

WIRE LEAD IDENT	MATERIAL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	REMARKS ACCESSORY ITEMS	REMARKS	
									LEAD ITEM	LEAD LG
A 108G		P2-F12 P11-V							.19 NO	.19 NO
A 108R		P2-D12 P11-B							.19 NO	.19 NO
A 108Y		P2-G12 P11-C							.19 NO	.19 NO
A 109	7									
A 109R		P2-A14 P11-S							.19 NO	.19 NO
A 109Y		P2-B14 P11-T							.19 NO	.19 NO
A 110	7									
A 110F		P2-H13 P11-P							.19 NO	.19 NO
A 110Y		P2-K13 P11-R							.19 NO	.19 NO
A 111	2	E43 P11-X							.30 NO	.25 NO
A 112	9									
A 112R		P1-G15 P2-H14							.19 NO	.19 NO

SIZE CODE IDENT
A NO. 80230

6014506

SCALE-NONE REV LTR S

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WIRING HARNESS A

6014506 S

WIRE LEAD IDENT	MATERIAL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	REMARKS ACCESSORY ITEMS	REMARKS	
									LEAD ITEM	LEAD LG
A 124	7									
A 124R		P2-A26 P14-35							.13 NO	.30
A 124Y		P2-B26 P14-36							.13 NO	.30
A 125	7									
A 125R		P2-A28 P14-37							.13 NO	.30
A 125Y		P2-B26 P14-38							.13 NO	.30
A 126	7									
A 126R		P2-A30 P14-39							.13 NO	.30
A 126Y		P2-B30 P14-40							.13 NO	.30
A 127	9									
A 127R		P1-A15 P2-B24							.19 NO	.34
A 127Y		P1-A16 P2-B25							.19 NO	.33

SIZE CODE IDENT
A NO. 80230

6014506

SCALE-NONE REV LTR S

SHEET 54 OF 119

WIRING HARNESS A											6014506	S	
LEAD IDENT	WIRE ITEM	LEAD LG	CIRCUIT PT FROM (A)	TERM. JK1 NO.	SHLD AREA STRIP LG	LEAD CUT LG	I/S STRIP LG	NOTE ONE, FIG.	ACCESSORY ITEMS	REMARKS			
A 129	8												
A 128R			P2-B21 P3-23B				.19 NO .19 NO		33 33	BRANCH 4 BRANCH 6			
A 128Y			P2-A21 P3-33B				.19 NO .19 NO		33 33	BRANCH 4 BRANCH 6			
A 129	3		P2-B17 P3-13B				.19 NO .19 NO		33 33	BRANCH 4 BRANCH 6			
A 130			DELETED										
A 130R			DELETED										
A 130Y			DELETED										
A 131	7												
A 131R			P8-K P2-G4				.19 NO .19 NO		33	BRANCH 3			
A 131Y			P8-M P2-G5				.19 NO .19 NO		33	BRANCH 3			
A 134	16			1.00	.75				68 68	37 37			
A 134A	5		SHLD AL34 P2-G23				.20 NO .19 NO		33	BRANCH 4			
		A	SIZE	CODE IDENT NO. 80230									
					6014506								
SCALE-NONE				REV LTR	S				SHEET 55 OF 119				

WIRING HARNESS A										6014506	S		
ITEM	WIRE IDENT	LEAD ITEM	MAIL	CIRCUIT	PT	TERM.	JKT	SHLD	LEAD	INS.	NOTE	REMARKS	
				FROM	TO	(A)	(B)	NO.	LG	STRIP	LG		
A	134B	5		E12						.19	NO		
				SHLD	A134					.20	NO		
A	134R			P2-H23						.19	NO	34	
				P4-324						.19	NO	34	
A	134Y			P2-K23						.19	NO	34	
				P4-424						.19	NO	34	
A	135	16				1.00		.75			6B	37	
						1.00		.75			6B	37	
A	135A	5		SHLD	A135					.20	NO		
				P2-G24						.19	NO	33	
A	135B	5		E12						.19	NO		
				SHLD	A135					.20	NO		
A	135R			P2-H24						.19	NO	34	
				P4-323						.19	NO	34	
A	135Y			P2-K24						.19	NO	34	
				P4-423						.19	NO	34	
A	136	16				1.00		.75			6B	37	
						1.00		.75			6B	37	
A	136A	5		SHLD	A136					.20	NO		
				P2-G25						.19	NO	33	
A	136B	5		E12						.19	NO	70	
				SHLD	A136					.20	NO		
A	136R			P2-H25						.19	NO	34	
				P4-322						.19	NO	34	
										SIZE	CODE IDENT		
										A	NO. 80230	6014506	
										SCALE-NONE	REV LTR	S	
										5	SHEET 56 OF 119		

WIRING HARNESS A											6014506
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA	SHLD NO.	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG TIN	ACCESSORY ITEMS	REMARKS
A 136Y			P2-K25 P4-622					.19 NO	34		BRANCH 4
								.19 NO	34		BRANCH B
A 137	16				1.00	.75			68	37	
					1.00	.75			68	37	
A 137A	5		SHLD A137 P2-621					.20 NO			
								.19 NO	33		BRANCH 4
A 137B	5		E4 SHLD A137					.19 NO			
								.20 NO			
A 137R			P2-H21 P4 316					.19 NO	34		BRANCH 4
								.19 NO	34		BRANCH B
A 137Y			P2-K21 P4-416					.19 NO	34		BRANCH 4
								.19 NO	34		BRANCH B
A 139	16				1.00	.75			68	37	
					1.00	.75			68	37	
A 139A	5		SHLD A139 P2-622					.20 NO			
								.19 NO	33		BRANCH 4
A 139B	5		E A139					.19 NO			
								.20 NO			
A 139R			P2-H22 P4-315					.19 NO	34		BRANCH 4
								.19 NO	34		BRANCH B
A 139Y			P2-K22 P4-415					.19 NO	34		BRANCH 4
								.19 NO	34		BRANCH B
A 141	4		P1-C17 PR-L					.19 NO	34		BRANCH 1
								.19 NO			

WIRING HARNESS A										6014506	5
WIRE LEAD IDENT ITEM	MATL ITEM LG	CIRCUIT PT LEAD FROM (A) TO (B)	TERM-JKT AREA STRIP NO.	SHLD STRIP LG	LEAD STRIP LG	INS CUT LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS		
A 142		DELETED									
A 142R		DELETED									
A 142Y		DELETED									
A 143	11										
A 143G		P1-F15 P2-015			.19 NO		.34		BRANCH 1		
					.19 NO		.34		BRANCH 3		
A 143R		P1-D16 P2-G15			.19 NO		.34		BRANCH 1		
					.19 NO		.34		BRANCH 3		
A 143Y		P1-F16 P2-F15			.19 NO		.34		BRANCH 1		
					.19 NO		.34		BRANCH 3		
A 144	13										
A 144G		P1-B36 P2-G28			.19 NO		.34		BRANCH 2		
					.19 NO		.34		BRANCH 4		
A 144N		P1-A37 P2-G31			.19 NO		.34		BRANCH 2		
					.19 NO		.34		BRANCH 4		
A 144R		P1-B37 P2-G30			.19 NO		.34		BRANCH 2		
					.19 NO		.34		BRANCH 4		
A 144Y		P1-A36 P2-G29			.19 NO		.34		BRANCH 2		
					.19 NO		.34		BRANCH 4		

WIRING HARNESS A

6014506 S

WIRE LEAD IDENT	MATL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS
A 148	16		1.00	.75		68	37		
			1.00	.75		68	37		
A 148A	5	SHLD A148 P1-A30			.20	NO			
					.19	NO			
A 148B	6	P3-341 SHLD A148				.19	NO		BRANCH 6
					.20	NO			
A 148R		P1-A29 P3-141				.19	NO		BRANCH 2
					.19	NO			
A 148Y		P1-A28 P3-241				.19	NO		BRANCH 2
					.19	NO			
A 149	16		1.00	.75		68	37		
			1.00	.75		68	37		
A 149A	5	SHLD A149 P1-B30			.20	NO			
					.19	NO			
A 149B	6	P3-641 SHLD A149				.19	NO		BRANCH 6
					.20	NO			
A 149R		P1-B29 P3-441				.19	NO		BRANCH 2
					.19	NO			
A 149Y		P1-B28 P3-541				.19	NO		BRANCH 2
					.19	NO			
A 150	16		1.00	.75		68	37		
			1.00	.75		68	37		
A 150A	5	SHLD A150 P1-C30			.20	NO			
					.19	NO			
									BRANCH 2

SIZE CODE IDENT
A NO. 80230

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SCALE-NONE REV LTR S SHEET 59 OF 119

WIRING HARNESS A

6014506 S

WIRE LEAD IDENT	MATL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS
A 152Y		P1-F28 P3-245				.19	NO		BRANCH 2
						.19	NO		
A 153	16		1.00	.75		68	37		
			1.00	.75		68	37		
A 153A	5	SHLD A153 P1-G30			.20	NO			
					.19	NO			
A 153d	6	P3-645 SHLD A153				.19	NO		BRANCH 7
					.20	NO			
A 153R		P1-G29 P3-445				.19	NO		BRANCH 2
					.19	NO			
A 153Y		P1-G28 P3-545				.19	NO		BRANCH 2
					.19	NO			
A 154	16		1.00	.75		68	37		
			1.00	.75		68	37		
A 154A	5	SHLD A154 P1-A27			.20	NO			
					.19	NO			
A 154B	6	P3-347 SHLD A154				.19	NO		BRANCH 7
					.20	NO			
A 154R		P1-A26 P3-147				.19	NO		BRANCH 2
					.19	NO			
A 154Y		P1-A25 P3-247				.19	NO		BRANCH 2
					.19	NO			
A 155	16		1.00	.75		68	37		
			1.00	.75		68	37		

SIZE CODE IDENT
A NO. 80230

6014506

SCALE-NONE REV LTR S SHEET 61 OF 119

WIRING HARNESS A

6014506 S

WIRE LEAD IDENT	MATL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS
A 150B	6	P3-343 SHLD A150					.19	NO	
							.20	NO	
A 150R		P1-C29 P3-143					.19	NO	BRANCH 2
							.19	NO	
A 150Y		P1-C28 P3-243					.19	NO	BRANCH 2
							.19	NO	
A 151	16					1.00	.75		
						1.00	.75		
A 151A	5	SHLD A151 P1-D30						.20	NO
								.19	NO
A 151B	6	P3-643 SHLD A151						.19	NO
								.20	NO
A 151R		P1-D29 P3-443						.19	NO
								.19	NO
A 151Y		P1-D28 P3-543						.19	NO
								.19	NO
A 152	16					1.00	.75		
						1.00	.75		
A 152A	5	SHLD A152 P1-F30						.20	NO
								.19	NO
A 152B	6	P3-345 SHLD A152						.19	NO
								.20	NO
A 152R		P1-F29 P3-145						.19	NO
								.19	NO

SIZE CODE IDENT
A NO. 80230

6014506

SCALE-NONE REV LTR S SHEET 60 OF 119

WIRING HARNESS A

6014506 S

WIRE LEAD IDENT	MATL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS
A 152Y		P1-F28 P3-245				.19	NO		BRANCH 2
						.19	NO		
A 153	16		1.00	.75		68	37		
			1.00	.75		68	37		
A 153A	5	SHLD A153 P1-G30			.20	NO			
					.19	NO			
A 153d	6	P3-645 SHLD A153				.19	NO		BRANCH 7
					.20	NO			
A 153R		P1-G29 P3-445				.19	NO		BRANCH 2
					.19	NO			
A 153Y		P1-G28 P3-545				.19	NO		BRANCH 2
					.19	NO			
A 154	16		1.00	.75		68	37		
			1.00	.75		68	37		
A 154A	5	SHLD A154 P1-A27			.20	NO			
					.19	NO			
A 154B	6	P3-347 SHLD A154				.19	NO		BRANCH 7
					.20	NO			
A 154R		P1-A26 P3-147				.19	NO		BRANCH 2
					.19	NO			
A 154Y		P1-A25 P3-247				.19	NO		BRANCH 2
					.19	NO			
A 155	16		1.00	.75		68	37		
			1.00	.75		68	37		

SIZE CODE IDENT
A NO. 80230

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SCALE-NONE REV LTR S SHEET 61 OF 119

WIRING HARNESS A

6014506 S

WIRE LEAD IDENT	MATL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS
A 155A	5	SHLD A155 P1-B27						.20	NO
								.19	NO
A 155B	6	P3-647 SHLD A155						.19	NO
								.20	NO
A 155R		P1-B26 P3-447						.19	NO
								.19	NO
A 155Y		P1-B25 P3-547						.19	NO
								.19	NO
A 156	16					1.00	.75		
						1.00	.75		
A 156A	5	SHLD A156 P1-C27						.20	NO
								.19	NO
A 156B	6	P3-349 SHLD A156						.19	NO
								.20	NO
A 156R		P1-C26 P3-149						.19	NO
								.19	NO
A 156Y		P1-C25 P3-249						.19	NO
								.19	NO
A 157	16					1.00	.75		
						1.00	.75		
A 157A	5	SHLD A157 P1-D27						.20	NO
								.19	NO
A 157B	6	P3-649 SHLD A157						.19	NO
								.20	NO

SIZE CODE IDENT
A NO. 80230

6014506

SCALE-NONE REV LTR S SHEET 62 OF 119

WIRING HARNESS A												6014506	S	
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. NO.	JKT. LG	SHLD. AREA	STRIP LG	STRIP CUT LG	LEAD LG	INS. LG	STRIP TIN	NOTE ONE, FIG.	ACCESSORY ITEMS	REMARKS
A 157K			P1-D26 P3-449							.19 NO .19 NO		.34 33		BRANCH 2 BRANCH 7
A 157Y			P1-D25 P3-549							.19 NO .19 NO		.34 33		BRANCH 2 BRANCH 7
A 158	3		P1-A33 P3-119							.19 NO .19 NO		.33 33		BRANCH 2 BRANCH 6
A 159	4		P1-A34 P3-422							.19 NO .19 NO		.34 34		BRANCH 2 BRANCH 6
A 160	16				1.00	.75					6B 6B	.37 .37		
A 160A	5		SHLD A160 P1-C37							.20 NO .19 NO		.33		BRANCH 2
A 160B	5		E15 SHLD A160							.19 NO .20 NO				
A 160K			P1-037 P3-132							.19 NO .19 NO		.34 33		BRANCH 2 BRANCH 6
A 160Y			P1-F37 P3-232							.19 NO .19 NO		.34 33		BRANCH 2 BRANCH 6
A 161	16				1.00	.75					6B 6B	.37 .37		
A 161A	5		SHLD A161 P1-C38							.20 NO .19 NO		.33		BRANCH 2
A 161B	5		E16 SHLD A161							.19 NO .20 NO				
												6014506		

WIRING HARNESS A										6014506	S
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. JKT NO.	AREA LG	SHD. STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, TIN	ACCESSORY ITEMS	REMARKS
A 161R			P1-038 P3-432					.19 NO .19 NO	34 33		BRANCH 2 BRANCH 6
A 161Y			P1-F38 P3-532					.19 NO .19 NO	34 33		BRANCH 2 BRANCH 6
A 162	16				1.00	.75			68	37	
					1.00	.75			68	37	
A 162A	5		SHLD A162 P1-C39					.19 NO .19 NO	33		BRANCH 2
A 162B	5		E15 SHLD A162					.19 NO .20 NO	70		
A 162R			P1-039 P3-133					.19 NO .19 NO	34 33		BRANCH 2 BRANCH 6
A 162Y			P1-F39 P1-233					.19 NO .19 NO	34 33		BRANCH 2 BRANCH 6
A 163	8										
A 163R			P1-F32 P4-1C2					.19 NO .19 NO	33 33		BRANCH 2 BRANCH 8
A 163Y			P1-G32 P4-202					.19 NO .19 NO	33 33		BRANCH 2 BRANCH 8
A 164	7										
A 164R			P1-C32 P13-7					.19 NO .18 NO	33 30		BRANCH 2
SIZE		CODE IDENT NO. 60230			6014506						
A											
SCALE-NONE				REV LTR		S		SHEET 64 OF 119			

WIRING HARNESS A										6014506		S			
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS					
A 184	4	P1-D2 P10-40			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 185	4	P1-C2 P10-39			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 186	4	P1-A3 P10-85			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 187	4	P1-B3 P10-61			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 188	4	P1-C3 P10-37			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 189	4	P1-A4 P10-84			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 190	4	P1-A5 P10-83			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 191	4	P1-C4 P10-59			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 192	4	P1-B4 P10-60			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 193	4	P1-D8 P10-3			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 194	4	P1-D7 P10-20			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 195	4	P1-F7 P10-21			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					

SIZE A	CODE IDENT NO. 8023u	6014506
SCALE-NONE	REV LTR	S
SHEET 67 OF 119		

WIRING HARNESS A										6014506		S	
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS			
A 196	4	P1-G8 P10-10								.19 NO .13 NO	34 30	BRANCH 1	
A 198	4	P1-G7 P10-23								.19 NO .13 NO	34 30	BRANCH 1	
A 199	4	P1-F8 P10-9								.19 NO .13 NO	34 30	BRANCH 1	
A 200	4	P1-C5 P10-36								.19 NO .13 NO	34 30	BRANCH 1	
A 201	4	P1-D6 P10-35								.19 NO .13 NO	34 30	BRANCH 1	
A 202	4	P1-F6 P10-17								.19 NO .13 NO	34 30	BRANCH 1	
A 203	4	P1-D5 P10-19								.19 NO .13 NO	34 30	BRANCH 1	
A 204	4	P1-G5 P10-7								.19 NO .13 NO	34 30	BRANCH 1	
A 205	4	P1-G6 P10-6								.19 NO .13 NO	34 30	BRANCH 1	
A 206	4	P1-F5 P10-18								.19 NO .13 NO	34 30	BRANCH 1	
A 207	4	P1-D3 P10-41								.19 NO .13 NO	34 30	BRANCH 1	
A 208	4	P1-D4 P10-22								.19 NO .13 NO	34 30	BRANCH 1	

SIZE A	CODE IDENT NO. 80230	6014506
SCALE-NONE	REV LTR	S
SHEET 68 OF 119		

WIRING HARNESS A										6014506		S			
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS					
A 209	4	P1-F2 P10-66			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 210	4	P1-G3 P10-67			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 211	4	P1-F4 P10-43			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 212	4	P1-G4 P10-68			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 213	4	P1-F3 P10-42			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 217	4	P1-B5 P10-82			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 218	4	P1-C6 P10-58			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 219	4	P1-A6 P10-57			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 220	4	P1-B6 P10-34			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 221	11														
A 226		P1-A10 P10-16			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					
A 221R		P1-B10 P10-5			.19 NO .13 NO		.19 NO .13 NO	34 30		BRANCH 1					

SIZE A	CODE IDENT NO. 80230	6014506
SCALE-NONE	REV LTR	S
SHEET 69 OF 119		

WIRING HARNESS A										6014506		S	
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS			
A 221Y			P1-A11 P10-15							.19 NO .13 NO	34 30	BRANCH 1	
A 224	13												
A 224G			P5-B4 P10-1							.19 NO .13 NO	29 30		
A 224N			P5-B3 P10-2							.19 NO .13 NO	29 30		
A 224R			P5-31 P10-11							.19 NO .13 NO	29 30		
A 224Y			P5-57 P10-3							.19 NO .13 NO	29 30		
A 228	4		P1-D13 P10-46							.19 NO .13 NO	34 30	BRANCH 1	
A 229	4		P1-G13 P10-70							.19 NO .13 NO	34 30	BRANCH 1	
A 230	4		P1-D12 P10-44							.19 NO .13 NO	34 30	BRANCH 1	
A 231	4		P1-G12 P10-69							.19 NO .13 NO	34 30	BRANCH 1	
A 232	4		P1-F13 P10-45							.19 NO .13 NO	34 30	BRANCH 1	
A 233	4		P1-F12 P10-25							.19 NO .13 NO	34 30	BRANCH 1	

SIZE A	CODE IDENT NO. 80230	6014506
SCALE-NONE	REV LTR	S
SHEET 70 OF 119		

WIRING HARNESS A											6014506	S	
WIRE IDENT	WIRE MATERIAL	LEAD ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD AREA	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	REMARKS	ACCESSORY ITEMS	REMARKS
A 234	4			P1-610 P6-30					.19 NO .13 NO	34 29	BRANCH 1		
A 235	4			P1-619 P6-52					.19 NO .13 NO	34 29	BRANCH 1		
A 236	4			P1-619 P6-77					.19 NO .13 NO	34 29	BRANCH 1		
A 237	4			P1-610 P6-76					.19 NO .13 NO	34 29	BRANCH 1		
A 238	4			P1-610 P6-51					.19 NO .13 NO	34 29	BRANCH 1		
A 239				DELETED									
A 239G				DELETED									
A 239R				DELETED									
A 239Y				DELETED									
A 240				DELETED									
A 240G				DELETED									
A 240R				DELETED									
SIZE		CODE IDENT NO. 80230		6014506									
A													
SCALE-NONE		REV LTR		S		SHEET 71 OF 119							

WIRING HARNESS A											6014506	S	
WIRE IDENT	WIRE MATERIAL	LEAD ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD AREA	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	REMARKS	ACCESSORY ITEMS	REMARKS
A 240Y				DELETED									
A 241				DELETED									
A 241G				DELETED									
A 241R				DELETED									
A 241Y				DELETED									
A 242				DELETED									
A 242G				DELETED									
A 242R				DELETED									
A 242Y				DELETED									
A 243				DELETED									
A 243G				DELETED									
A 243R				DELETED									
A 243Y				DELETED									
SIZE		CODE IDENT NO. 80230		6014506									
A													
SCALE-NONE		REV LTR		S		SHEET 72 OF 119							

WIRING HARNESS A											6014506	S	
WIRE IDENT	WIRE MATERIAL	LEAD ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD AREA	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	REMARKS	ACCESSORY ITEMS	REMARKS
A 243Y				DELETED									
A 248	16			1.00 .75 1.75 1.50					6B 37 6A 37				
A 248A	5	SHLD	A248 E8							.20 NO .19 NO			
A 248B	5	E18	A248							.19 NO .20 NO			
A 248P		P4-142 P6-84								.19 NO .13 NO	34 29	BRANCH 9	
A 248Y		P4-242 P6-60								.19 NO .13 NO	34 29	BRANCH 9	
A 249	16			1.00 .75 1.75 1.50					6B 37 6A 37				
A 249A	5	SHLD	A249 E8							.20 NO .19 NO			
A 249B	5	E18	A249							.19 NO .20 NO	76		
A 249P		P4-141 P6-82								.19 NO .13 NO	34 29	BRANCH 9	
A 249Y		P4-241 P6-58								.19 NO .13 NO	34 29	BRANCH 9	
A 250	16			1.00 .75 1.75 1.50					6B 37 6A 37				
SIZE		CODE IDENT NO. 80230		6014506									
A													
SCALE-NONE		REV LTR		S		SHEET 73 OF 119							

WIRING HARNESS A											6014506	S	
WIRE IDENT	WIRE MATERIAL	LEAD ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD AREA	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	REMARKS	ACCESSORY ITEMS	REMARKS
A 250A	5	SHLD	A250 E10							.20 NO .19 NO	70		
A 250B	5	E19	SHLD A250							.19 NO .20 NO			
A 250R		P4-140 P6-81								.19 NO .13 NO	34 29	BRANCH 9	
A 250Y		P4-240 P6-56								.19 NO .13 NO	34 29	BRANCH 9	
A 251	9												E
A 251R		P4-354 P7-72								.19 NO .13 NO	34 29	E, BRANCH 10	
A 251Y		P4-454 P7-73								.19 NO .13 NO	34 29	E, BRANCH 10	
A 252	9												E, BRANCH 10
A 252R		P4-353 P7-48								.19 NO .13 NO	34 29	E, BRANCH 10	
A 252Y		P4-453 P7-28								.19 NO .13 NO	34 29	E, BRANCH 10	
A 254		DELETED											
A 254G		DELETED											
SIZE		CODE IDENT NO. 80230		6014506									
A													
SCALE-NONE		REV LTR		S		SHEET 74 OF 119							

REVISION STATUS OF SHEETS																	
SH	REV.	H	REF.	SH	REV.	M	REF.	SH	REV.	M	REV.	N	A	SH	REV.	M	REV.
46	S	80	S	114	S												
47	S	81	S	115	S												
48	S	82	S	116	T												
49	S	83	S	117	S												
50	S	84	S	118	S												
51	S	85	S	119	T												
52	S	86	S														
53	S	87	S														
54	S	88	S														
55	S	89	S														
56	S	90	S														
57	S	91	S														
58	S	92	S														
59	S	93	S														
60	S	94	S														
61	S	95	S														
62	S	96	S														
63	S	97	S														
64	S	98	S														
65	S	99	S														
66	S	100	S														
67	S	101	S														
68	S	102	S														
69	S	103	S														
70	S	104	S														
71	S	105	S														
72	S	106	S														
73	S	107	S														
74	S	108	S														
75	S	109	S														
76	S	110	S														
77	S	111	S														
78	S	112	S														
79	S	113	S														
				SIZE	CODE IDENT. NO.			A 80230			6014506						
				A	NONE			SCALE	REV LTR	T	SHEET 2 OF 119						

WIRING HARNESS A										6014506
LEAD IDENT	WIRE ITEM	LEAD LG	CIRCUIT PT FROM (A)	TERM. NO.	JKT AREA	SHED LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	REMARKS ACCESSORY ITEMS
A 254R			DELETED							
A 254Y			DELETED							
A 255			DELETED							
A 255G			DELETED							
A 255N			DELETED							
A 255R			DELETED							
A 255Y			DELETED							
A 256	9									G
A 256R	P4-127 P12-66					.19 NO			34	G, BRANCH 9
						.13 ND			30	
A 256Y	P4-227 P12-67					.19 NO			34	G, BRANCH 9
						.13 ND			30	
A 257			DELETED							
A 257G			DELETED							

WIRING HARNESS A											6014506
WIRE ITEM	LEAD ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA	SHLD STRIP	LEAD STRIP CUT	INS STRIP	NOTE UNE, FIG	ACCESSORY ITEMS	REMARKS	
A 257N			DELETED								
A 257R			DELETED								
A 257Y			DELETED								
A 258	9									G	
A 258K			P4-348 P12-27			.19 NU		34		G, BRANCH 9	
A 258Y			P4-448 P12-28			.13 NO		30		G, BRANCH 9	
A 259	9									G	
A 259R			P4-347 P12-47			.19 NO		34		G, BRANCH 9	
A 259Y			P4-447 P12-48			.13 NO		30		G, BRANCH 9	
A 260	9									G	
A 260R			P4-346 P12-72			.19 NO		34		G, BRANCH 9	
A 260Y			P4-446 P12-73			.13 NO		30		G, BRANCH 9	
SIZE		CODE IDENT NO. 80230			6014506						
A		6014506							6014506		
SCALE-NONE				REV LTR				S	SHEET 76 OF 119		

WIRING HARNESS A										6014506
WIRE IDENT	LEAD ITEM	LEAD LG	CIRCUIT PT FROM (A)	TERM. JKT NO.	SHLD STRIP	LEAD STRIP	INS CUT	NOTE ONE, TIN	ACCESSORY ITEMS	REMARKS
A 261	9									G
A 261R			P4-345 P12-13				.19 NO .13 NJ	34 30		G, BRANCH 9
A 261Y			P4-445 P12-29				.19 NO .13 NO	34 30		G, BRANCH 9
A 262	9									G
A 262R			P4-125 P12-66				.19 NO .13 NO	34 30		G, BRANCH 9
A 262Y			P4-225 P12-69				.19 NO .13 NO	34 30		G, BRANCH 9
A 263	9									G
A 263R			P4-124 P12-43				.19 NO .13 NO	34 30		G, BRANCH 9
A 263Y			P4-224 P12-44				.19 NO .13 NJ	34 30		G, BRANCH 9
A 264			DELETED							
A 264R			DELETED							
A 264N			DELETED							

WIRING HARNESS A										6014506	S
WIRE LEAD IDENT ITEM	MATL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT AREA STRIP NO.	SHLD STRIP LG	LEAD STRIP LG	INS CUT LG	NOTE ONE, ITEM	ACCESORY ITEMS	REMARKS		
A 264R		DELETED									
A 264Y		DELETED									
A 265		DELETED									
A 265G		DELETED									
A 265R		DELETED									
A 265Y		DELETED									
A 266	9									G	
A 266R		P4-344 P12-70				.19 NO .13 NO		.34 30		G, BRANCH 9	
A 266Y		P4-444 P12-71				.19 NO .13 NO		.34 30		G, BRANCH 9	
A 267	9									G	
A 267R		P4-343 P12-45				.19 NO .13 NO		.34 30		G, BRANCH 9	
A 267Y		P4-443 P12-46				.19 NO .13 NO		.34 30		G, BRANCH 9	
→											
		</									

WIRING HARNESS A											6014500	S
WIRE IDENT	LEAD ITEM	LEAD LG	CIRCUIT PT FROM (A)	TERM.	JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN	FIG	REMARKS	ACCESSORY ITEMS
A 263	9										G	
A 268R			P4-342 P12-25					.19 NO .13 NO		34 30	G, BRANCH 9	
A 268Y			P4-442 P12-26					.19 NO .13 NO		34 30	G, BRANCH 9	
A 269	9										G	
A 269R			P4-341 P12-4					.19 NO .13 NO		34 30	G, BRANCH 9	
A 269Y			P4-441 P12-10					.19 NO .13 NO		34 30	G, BRANCH 9	
A 270	9										G	
A 270R			P4-340 P12-6					.19 NO .13 NO		34 30	G, BRANCH 9	
A 270Y			P4-440 P12-14					.19 NO .13 NO		34 30	G, BRANCH 9	
A 272	9										M	
A 272R			P4-133 P10-51					.19 NO .13 NO		34 30	M, BRANCH 9	
A 272Y			P4-233 P10-29					.19 NO .13 NO		34 30	M, BRANCH 9	

WIRING HARNESS A										6014506	S
WIRE IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TU	TERM. JKT AREA	SHLD STRIP	LEAD CUT	INS STRIP	NOTE ONL, FIG.	ACCESSORY ITEMS	REMARKS	
A 273	9									M	
A 273R			P4-132 P10-75				.19 NO .13 NO	34 30		M, BRANCH 9	
A 273Y			P4-232 P10-74				.19 NO .13 NO	34 30		M, BRANCH 9	
A 274	9									M	
A 274R			P4-130 P10-49				.19 NO .13 NO	34 30		M, BRANCH 9	
A 274Y			P4-230 P10-73				.19 NO .13 NO	34 30		M, BRANCH 9	
A 275	9									M	
A 275R			P4-352 P10-72				.19 NO .13 NO	34 30		M, BRANCH 9	
A 275Y			P4-452 P10-71				.19 NO .13 NO	34 30		M, BRANCH 9	
A 276	9									E	
A 276R			P4-358 P7-74				.19 NO .13 NO	34 29		E, BRANCH 10	
A 276Y			P4-458 P7-49				.19 NO .13 NO	34 29		E, BRANCH 10	
→											
				SIZE		CODE IDENT NO. 80230		6014506			
				SCALE-NONE		REV LTR		S		SHEET 80 OF 119	

WIRING HARNESS A											6014506	S
LEAD IDENT	WIRE ITEM	MAUL	LEAD	CIRCUIT PT FROM (A)	TERM. NO.	JKT AREA	SHLD STRIP	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 277	9										E	
A 277R				P4-357 P7-50				.19 NO .13 NO		.19 NO .13 NO	34 29	E, BRANCH 10
A 277Y				P4-457 P7-29				.19 NO .13 NO		.19 NO .13 NO	34 29	E, BRANCH 10
A 278	9										E	
A 278R				P4-356 P7-75				.19 NO .13 NO		.19 NO .13 NO	34 29	E, BRANCH 10
A 278Y				P4-456 P7-75				.19 NO .13 NO		.19 NO .13 NO	34 29	E, BRANCH 10
A 279	9										E	
A 279R				P4-555 P7-30				.19 NO .13 NO		.19 NO .13 NO	34 29	E, BRANCH 10
A 279Y				P4-455 P7-51				.19 NO .13 NO		.19 NO .13 NO	34 29	E, BRANCH 10
A 282	4			P2-H17 P4-522				.19 NO .19 NO		.19 NO .19 NO	34 34	P, BRANCH 4 BRANCH 9
A 284	4			P2-A22 P4-623				.19 NO .19 NO		.19 NO .19 NO	34 34	P, BRANCH 4 BRANCH 9
A 286R				DELETED								
SIZE		CODE IDENT NO. 80230			6014506							
A												
SCALE-NONE				REV LTR			S			SHEET #1 OF 119		

WIRING HARNESS A											6014506	5
WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, TIN	FIG	ACCESSORY ITEMS	REMARKS
A 286Y			DELETED									
A 289	4		P4-603 P5-51					.19 NO .13 NU		34 29		A,BRANCH B
A 290	4		P4-503 P5-78					.19 NU .13 NU		34 29		A,BRANCH B
A 291	4		P4-603 P5-77					.19 NO .13 NU		34 29		A,BRANCH B
A 292	4		P4-303 P5-76					.19 NO .13 NO		34 29		A,BRANCH B
A 293	4		P4-203 P5-79					.19 NO .13 NO		34 29		A,BRANCH B
A 294	4		P4-103 P5-49					.19 NO .13 NO		34 29		A,BRANCH B
A 295	4		P4-502 P5-28					.19 NO .13 NO		34 29		A,BRANCH B
A 296	4		P4-402 P5-48					.19 NO .13 NO		34 29		A,BRANCH B
A 297	4		P4-404 P5-2					.19 NO .13 NO		34 29		B,BRANCH B
A 298	4		P4-304 P5-9					.19 NO .13 NO		34 29		B,BRANCH B
A 299	4		P4-204 P5-22					.19 NO .13 NO		34 29		B,BRANCH B

WIRING HARNESS A										6014506	S
WIRE IDENT	LEAD ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS	
A 334			DELETED								
A 334G			DELETED								
A 334N			DELETED								
A 334P			DELETED								
A 334Y			DELETED								
A 335			DELETED								
A 335G			DELETED								
A 335K			DELETED								
A 335Y			DELETED								
A 336			DELETED								
A 336G			DELETED								
A 336R			DELETED								

SIZE A	CODE IDENT NO. 80230	6014506
SCALE-NONE	REV LTR	S
SHEET 87 OF 119		

WIRING HARNESS A										6014506	S
WIRE IDENT	LEAD ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS	
A 336Y			DELETED								
A 337	4		P5-L15 P5-75					.19 NO .13 NO		34 29	A,BRANCH 8
A 338	3		P6-302 P5-30					.19 NO .13 NO		33 29	A,BRANCH 8
A 340	4		P6-309 P5-71					.19 NO .13 NO		34 29	B,BRANCH 8
A 341	10										
A 344G			P2-D14 P11-D					.19 NO .19 NO		33	
A 344R			P2-G14 P11-E					.19 NO .19 NO		33	
A 344Y			P2-F14 P11-W					.19 NO .19 NO		33	
A 345	7										
A 345R			P8-L P11-L					.19 NO .19 NO		31	
A 345Y			P8-H P11-A*					.19 NO .19 NO		31	
A 346	7										

SIZE A	CODE IDENT NO. 80230	6014506
SCALE-NONE	REV LTR	S
SHEET 88 OF 119		

WIRING HARNESS A										6014506	S
WIRE IDENT	LEAD ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS	
A 346R			P8-L P11-L					.19 NO .19 NO			
A 348Y			P8-H P11-A*					.19 NO .19 NO			
A 347	7										
A 347R			P8-L P11-M					.19 NO .19 NO			
A 347Y			P8-H P11-B*					.19 NO .19 NO			
A 349	7										
A 349R			P2-G6 P11-Y					.19 NO .19 NO	33 31	BRANCH 3	
A 349Y			P2-G7 P11-Z					.19 NO .19 NO	33 31	BRANCH 3	
A 350	7										
A 350R			P2-B6 P11-F*					.19 NO .19 NO	33 31	BRANCH 3	
A 350Y			P2-B7 P11-G*					.19 NO .19 NO	33 31	BRANCH 3	
A 351	7										

SIZE A	CODE IDENT NO. 80230	6014506
SCALE-NONE	REV LTR	S
SHEET 89 OF 119		

WIRING HARNESS A										6014506	S
WIRE IDENT	LEAD ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS	
A 351R			P2-F6 P11-U					.19 NO .19 NO		33	BRANCH 3
A 351Y			P2-F7 P11-D*					.19 NO .19 NO		31	BRANCH 3
A 352	7										
A 352R			P2-A6 P11-U					.19 NO .19 NO		33 31	BRANCH 3
A 352Y			P2-A7 P11-D*					.19 NO .19 NO		31	BRANCH 3
A 353	7										
A 353R			P2-A4 P8-K					.19 NO .19 NO		33	BRANCH 3
A 353Y			P2-A5 P8-J					.19 NO .19 NO		33	BRANCH 3
A 354	7										
A 354R			P2-B4 P8-K					.19 NO .19 NO		33	BRANCH 3
A 354Y			P2-B5 P8-J					.19 NO .19 NO		33	BRANCH 3
A 355	7										

SIZE A	CODE IDENT NO. 80230	6014506
SCALE-NONE	REV LTR	S
SHEET 90 OF 119		

WIRING HARNESS A

6014506

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WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS
A 3556	P2-C4 P8-K				.19 NO .19 NO			33		BRANCH 3
A 355Y	P2-C5 P8-J				.19 NO .19 NO			33		BRANCH 3
A 356	7									
A 356R	P2-D4 P8-K				.19 NO .19 NO			33		BRANCH 3
A 356Y	P2-D5 P8-J				.19 NO .19 NO			33		BRANCH 3
A 357	7									
A 357R	P2-E4 P8-K				.19 NO .19 NO			33		BRANCH 3
A 357Y	P2-E5 P8-H				.19 NO .19 NO			33		BRANCH 3
A 358	16				1.00 1.75	.75 1.50		68 68	37 37	
A 358A	5	SHLD E16	A358		.20 NO .19 NO					
A 358B	5	P7-83	A358		.13 NO .20 NO			29		
A 358R	P3-237 P7-82				.19 NO .13 NO			36 29		BRANCH 6

SIZE A	CODE IDENT NO. 80230	6014506
SCALE-NONE	REV LTR	S

SHEET 91 OF 119

MIL-244-1A1

WIRING HARNESS A

6014506

S

WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS
A 358Y			P3-337 P7-58					.19 NO .13 NO	34 29	BRANCH 6
A 359	16				1.00	.75			68	37
A 359A	5	SHLD E16	A359		1.75	1.50			68	37
A 359B	5	P7-60	SHLD A359					.20 NO .19 NO		
A 359R	P3-637 P7-84							.19 NO .13 NO	34 29	BRANCH 6
A 359Y	P3-537 P7-59							.19 NO .13 NO	34 29	BRANCH 6
A 360	4	P3-611 P4-622						.19 NO .19 NO	34	0, BRANCH 5 BRANCH 8
A 361	7									
A 361R	P2-H15 P7-63							.19 NO .13 NO	33	BRANCH 3
A 361Y	P2-K15 P7-38							.19 NO .13 NO	33	BRANCH 3
A 362	DELETED									
A 362A	DELETED									

SIZE A	CODE IDENT NO. 80230	6014506
SCALE-NONE	REV LTR	S

SHEET 92 OF 119

WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS
A 362B	DELETED									
A 362R	DELETED									
A 362Y	DELETED									
A 363	DELETED									
A 363A	DELETED									
A 363B	DELETED									
A 363R	DELETED									
A 363Y	DELETED									
A 364	9									
A 364R	P1-B19 P14-43				.19 NO .13 NO			34 30		BRANCH 1
A 364Y	P1-B20 P14-44				.19 NO .13 NO			34 30		BRANCH 1
A 365	4	P1-D19 P14-45			.19 NO .13 NO			34 30		BRANCH 1

SIZE A	CODE IDENT NO. 80230	6014506
SCALE-NONE	REV LTR	S

SHEET 94 OF 119

MIL-244-1A1

WIRING HARNESS A											6014506
WIRE IDENT	LEAD ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA	JKT NO.	SHLD LG	LEAD STRIP LG	INS STRIP LG	NOTE (ONE, FIG.)	ACCESSORY ITEMS	REMARKS
A 399R			P2-D13 P11-D				.19 NO .19 NO		33 31		BRANCH 3
A 399Y			P2-F13 P11-W				.19 NO .19 NO		33 31		BRANCH 3
A 400	4		P4-109 P9-7				.19 NO .13 NO		34 29		H, BRANCH 8
A 401	4		P4-410 P9-17				.19 NO .13 NO		34 29		H, BRANCH 8
A 402	4		P4-209 P9-8				.19 NO .13 NO		34 29		H, BRANCH 8
A 403	4		P4-310 P9-6				.19 NO .13 NO		34 29		H, BRANCH 8
A 404	4		P4-510 P9-19				.19 NO .13 NO		34 29		H, BRANCH 8
A 405	4		P4-210 P9-34				.19 NO .13 NO		34 29		H, BRANCH 8
A 406	4		P4-610 P9-20				.19 NO .13 NO		34 29		H, BRANCH 8
A 407	4		P4-110 P9-18				.19 NO .13 NO		34 29		H, BRANCH 8
A 408	4		P4-111 P9-35				.19 NO .13 NO		34 29		H, BRANCH 8
A 409	4		P4-612 P9-39				.19 NO .13 NO		34 29		H, BRANCH 8

WIRING HARNESS A											6014506	S
LEAD ITEM	WIRE ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT			SHLD NO.	LEAD LG	INS STRIP LG	NOTE ONE + TIN FIG	ACCESSORY ITEMS	REMARKS
				AREA	STRIP	STRIP CUT						
A 410	4		P4-211 P9-36					.19	NO	34		H, BRANCH 1 8
								.13	NO	29		
A 411	4		P4-512 P9-37					.19	NO	34		H, BRANCH 8
								.13	NO	29		
A 412	4		P4-511 P9-59					.19	NU	34		H, BRANCH 8
								.13	NU	29		
A 413	4		P4-411 P9-61					.19	NO	34		H, BRANCH 8
								.13	NO	29		
A 414	4		P4-611 P9-58					.19	NO	34		H, BRANCH 8
								.13	NO	29		
A 415	4		P4-311 P9-60					.19	NU	34		H, BRANCH 8
								.13	NU	29		
A 417	4		P1-020 P14-46					.19	NO	34		BRANCH 1
								.13	NO	30		
A 418	3		P2-H16 P10-27					.19	NO	33		BRANCH 4
								.13	NO	31		
A 420	4		P2-G20 P4-625					.19	NO	34		P, BRANCH 4
								.19	NO	34		BRANCH 9
A 421	4		P2-H20 P4-114					.19	NO	34		P, BRANCH 4
								.19	NO	34		BRANCH 9
A 423	11									2		
A 426			P1-C15 P4-214					.19	NO	34		Q, BRANCH 1
								.19	NO	34		BRANCH 10

WIRING HARNESS A										6014506		S			
WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM-JKT NO.	SHLD AREA STRIP STRIP CUT	LEAD LG	INS STRIP CUT	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS					
A 429	10									N					
A 429G	P4-261 P6-0				.19 NO .19 NO			33		N, BRANCH 10					
A 429P	P4-259 P6-1				.19 NO .19 NO			33		N, BRANCH 10					
A 429Y	P4-260 P6-0				.19 NO .19 NO			33		N, BRANCH 10					
A 430	10									N					
A 430G	P4-161 P6-F				.19 NO .19 NO			33		N, BRANCH 10					
A 430R	P4-159 P6-E				.19 NO .19 NO			33		N, BRANCH 10					
A 430Y	P4-160 P6-G				.19 NO .19 NO			33		N, BRANCH 10					
A 432	4		P1-03 P6-54			.19 NO .13 NO		34 29		BRANCH 1					
A 433	4		P1-A9 P6-9			.19 NO .13 NO		34 29		BRANCH 1					
A 434	4		P1-A8 P6-73			.19 NO .13 NO		34 29		BRANCH 1					
A 435	4		P1-C12 P6-14			.19 NO .13 NO		34 29		BRANCH 1					
SIZE		CODE IDENT NO. A 60230		6014506											
SCALE-NONE		REV LTR		S		SHEET 99 OF 119									

WIRING HARNESS A										6014506		S	
WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM-JKT NO.	SHLD AREA STRIP STRIP CUT	LEAD LG	INS STRIP CUT	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS			
A 436	4		P1-C9 P6-15							.19 NO .13 NO	34 29	BRANCH 1	
A 437	4		P1-C8 P6-32							.19 NO .13 NO	34 29	BRANCH 1	
A 438	4		P1-B9 P6-31							.19 NO .13 NO	34 29	BRANCH 1	
A 439	4		P1-C11 P6-79							.19 NO .13 NO	34 29	BRANCH 1	
A 440	4		P1-D11 P6-80							.19 NO .13 NO	34 29	BRANCH 1	
A 441	4		P1-C12 P6-55							.19 NO .13 NO	34 29	BRANCH 1	
A 442	16							1.00	.75			68	37
A 442A	5		SHLD A442 P1-D23							.20 NO .19 NO	33	BRANCH 1	
A 442B	6		P3-646 SHLD A442							.19 NO .20 NO		BRANCH 7	
A 442K			P1-D21 P3-446							.19 NO .19 NO	34 33	BRANCH 1	
A 442Y			P1-D22 P3-546							.19 NO .19 NO	34 33	BRANCH 1	
A 443	16							1.00	.75			68	37
SIZE		CODE IDENT NO. A 60230		6014506									
SCALE-NONE		REV LTR		S		SHEET 100 OF 119							

WIRING HARNESS A										6014506		S			
WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM-JKT NO.	SHLD AREA STRIP STRIP CUT	LEAD LG	INS STRIP CUT	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS					
A 443A	5		SHLD A443 P1-F23			.20 NO .19 NO		33		BRANCH 1					
A 443B	6		P3-348 SHLD A443			.19 NO .20 NO				BRANCH 7					
A 443K			P1-F21 P3-148			.19 NO .19 NO		34 33		BRANCH 1 BRANCH 7					
A 443Y			P1-F22 P3-248			.19 NO .19 NO		34 33		BRANCH 1 BRANCH 7					
A 444	16			1.00	.75		68	37							
A 444A	5		SHLD A444 P1-C23			.20 NO .19 NO		33		BRANCH 1					
A 444B	6		P3-648 SHLD A444			.19 NO .20 NO				BRANCH 7					
A 444R			P1-C21 P3-448			.19 NO .19 NO		34 33		BRANCH 1 BRANCH 7					
A 444Y			P1-C22 P3-549			.19 NO .19 NO		34 33		BRANCH 1 BRANCH 7					
A 445	16			1.00	.75		68	37							
A 445A	5		SHLD A445 P1-B23			.20 NO .19 NO		33		BRANCH 1					
A 445B	6		P3-346 SHLD A445			.19 NO .20 NO				BRANCH 7					
SIZE		CODE IDENT NO. A 60230		6014506											
SCALE-NONE		REV LTR		S		SHEET 101 OF 119									

WIRING HARNESS A										6014506		S			
WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM-JKT NO.	SHLD AREA STRIP STRIP CUT	LEAD LG	INS STRIP CUT	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS					
A 445P			P1-B21 P3-146							.19 NO .19 NO	34 33	BRANCH 1			
A 445Y			P1-B22 P3-246							.19 NO .19 NO	34 33	BRANCH 1			
A 446	16					1.00	.75					68	37		
A 446A	5		SHLD A446 P1-B17							.20 NO .19 NO	33	BRANCH 1			
A 446B	5		E4 SHLD A446							.19 NO .20 NO	70				
A 446K			P1-B16 P4-316							.19 NO .19 NO	34 33	BRANCH 1			
A 446Y			P1-B15 P4-416							.19 NO .19 NO	34 33	BRANCH 1			
A 448	9														
A 448R			P1-A31 P2-A27							.19 NO .19 NO	34 34	BRANCH 2			
A 448Y			P1-B31 P2-B27							.19 NO .19 NO	34 34	BRANCH 2			
A 449	9														
A 449K			P1-C31 P2-A29							.19 NO .19 NO	34 34	BRANCH 2			
SIZE		CODE IDENT NO. A 60230		6014506											
SCALE-NONE		REV LTR		S		SHEET 102 OF 119									

WIRING HARNESS A												6014506		S	
LEAD IDENT	WIRE MATL	LEAD	CIRCUIT PT FROM (A)	TERM. JKT NO.	SHLD AREA STRIP	LEAD STRIP	INS CUT	NOTE ONE,	REMARKS	ACCESSORY ITEMS					
										ITEM	LG	LG	LG	TIN	FIG
A 449Y			P1-U31 P2-R29				.19	NU	34	BRANCH 2					
A 450	9						.19	NU	34	BRANCH 2					
A 450R			P1-F31 P2-A31				.19	NU	34	BRANCH 2					
A 450Y			P1-G31 P2-H31				.19	NU	34	BRANCH 2					
A 451	2		P6-85 E18				.13	NU	29	BRANCH 1					
A 452	4		P1-I11 P6-74				.19	NU	34	BRANCH 1					
A 453			P1-F11 P6-75				.13	NU	29	BRANCH 1					
A 454	4		P1-G7 P10-24				.19	NU	34	BRANCH 1					
A 455	+		P1-C13 P10-26				.19	NU	34	BRANCH 1					
A 456	4		P1-C7 P10-33				.13	NU	30	BRANCH 1					
A 457	4		P1-B7 P10-56				.19	NU	34	BRANCH 1					
A 458	4		P1-A7 P10-81				.13	NU	30	BRANCH 1					
SIZE				CODE IDENT NO. 80230		6014506									
SCALE-NONE				REV LTR		S				SHEET 103 OF 119					

WIRING HARNESS A												6014506		S		
LEAD IDENT	WIRE MATL	LEAD	CIRCUIT PT FROM (A)	TERM. JKT NO.	SHLD AREA STRIP	LEAD STRIP	INS CUT	NOTE ONE,	REMARKS	ACCESSORY ITEMS						
										ITEM	LG	TO (B)	LG	LG	TIN	FIG
A 459									DELETED							
A 459R									DELETED							
A 459Y									DELETED							
A 460	16									1.00	.75					
A 460A	5									E6						
A 460B	5									E19						
A 460R										SHLD A460						
A 460Y										P4-129						
A 461	16															
A 461A	5									E6						
A 461B	5									E19						
A 461R										SHLD A461						
SIZE				CODE IDENT NO. 80230		6014506										
SCALE-NONE				REV LTR		S				SHEET 104 OF 119						

WIRING HARNESS A												6014506		S		
LEAD IDENT	WIRE MATL	LEAD	CIRCUIT PT FROM (A)	TERM. JKT NO.	SHLD AREA STRIP	LEAD	INS	NOTE	REMARKS	ACCESSORY ITEMS						
										ITEM	LG	LG	LG	TIN	FIG	
A 461Y			P4-228 P6-39				.19	NU	BRANCH 9							
A 462	16						1.00	.75		7	38					
A 462B	5		E6 SHLD A462				.19	NO								
A 462R			P1-035 P4-129				.19	NO	BRANCH 2							
A 462Y			P1-F35 P4-229				.19	NO	BRANCH 2							
A 463	16						1.00	.75		7	38					
A 463B	5		E6 SHLD A463				.19	NO		70						
A 463R			P1-D36 P4-128				.19	NO	BRANCH 2							
A 463Y			P1-F36 P4-228				.19	NO	BRANCH 2							
A 464	16						1.00	.75		6B	37					
A 464A	5		SHLD A464 E6				.20	NU								
A 464B	5		E2I SHLD A464				.19	NO		70						
SIZE				CODE IDENT NO. 80230		6014506										
SCALE-NONE				REV LTR		S				SHEET 105 OF 119						

WIRING HARNESS A												6014506		S		
LEAD IDENT	WIRE MATL	LEAD	CIRCUIT PT FROM (A)	TERM. JKT NO.	SHLD AREA STRIP	LEAD	INS	NOTE	REMARKS	ACCESSORY ITEMS						
										ITEM	LG	TO (B)	LG	LG	TIN	FIG
A 464R			P4-351 P9-21							34	30					
A 464Y			P4-451 P9-40							34	30					
A 465			DELETED													
A 465F			DELETED													
A 465R			DELETED													
A 466	16									1.00	.75					
A 466A	5									E4						
A 466B	5									E22						
A 466R										SHLD A466						
A 466Y										P4-516 P10-77						
A 467	10															N
A 467G										P4-561 PB-E						
SIZE				CODE IDENT NO. 80230		6014506										
SCALE-NONE				REV LTR		S				SHEET 106 OF 119						

WIRING HARNESS A											6014506	S
HIRE LEAD	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	AREA STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE + FIG TIN	ACCESSORY ITEMS	REMARKS	
A	477Y		P2-G16 P7-62					.18 NU .13 NO	33 29		BRANCH 3	
A	478	18			1.00	.75			68	37		
					1.75	1.50			6A	37		
A	478A	5	SHLD E9	A478				.20 NU .19 NU				
A	478B	4	E21 SHLD	A478				.19 NU .20 NU		76		
A	478C		P4-656 P9-3					.18 NU .13 NO	33 30		BRANCH 10	
A	478K		P4-537 P9-2					.18 NU .13 NO	33 30		BRANCH 10	
A	478Y		P4-632 P9-1					.18 NU .13 NO	33 30		BRANCH 10	
A	479	4	P4-542 P6-45					.13 NO .13 NO	34 29		J, BRANCH 10	
A	480	4	P4-646 P6-46					.18 NU .13 NO	34 29		J, BRANCH 10	
A	481	4	P4-546 P6-70					.18 NU .13 NO	34 29		J, BRANCH 10	
A	482	4	P4-539 P6-7					.18 NU .13 NO	34 29		J, BRANCH 10	
A	483	4	P4-645 P6-18					.18 NU .13 NO	34 29		J, BRANCH 10	

WIRING HARNESS A											6014506	S
LEAD IDENT	WIRE ITEM	LEAD LG	CIRCUIT PT FROM (A)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN	ACCESSORY ITEMS	REMARKS		
A 484	4	P4-545 P6-19					.18 NU .13 NU		34 29	J, BRANCH 10		
A 485	4	P4-635 P6-23					.18 NU .13 NU		34 29	J, BRANCH 10		
A 486	4	P4-644 P6-9					.18 NU .13 NU		34 29	J, BRANCH 10		
A 487	4	P4-544 P6-10					.18 NU .13 NU		34 29	J, BRANCH 10		
A 488	4	P4-535 P6-25					.18 NU .13 NU		34 29	J, BRANCH 10		
A 489	4	P4-643 P6-11					.18 NU .13 NU		34 29	J, BRANCH 10		
A 490	4	P4-543 P6-12					.18 NU .13 NU		34 29	J, BRANCH 10		
A 491	4	P6-520 P9-56					.18 NU .13 NU		34 30	C, BRANCH 8		
A 492	4	P6-212 P9-33					.18 NU .13 NU		34 30	C, BRANCH 8		
A 493	4	P6-213 P9-55					.18 NU .13 NU		34 30	C, BRANCH 8		
A 494	4	P6-553 P6-27					.18 NU .13 NU		34 29	J, BRANCH 10		
A 495	4	P6-654 P6-50					.18 NU .13 NU		34 29	J, BRANCH 10		

WIRING HARNESS A

6014506

S

WIRE LEAD IDENT ITEM	MATL LG	LEAD CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE UNE, TIN FIG	ACCESSORY ITEMS	REMARKS
A 496	4	P4-554 P6-29			.18 NO .13 NO		.18 NO .13 NO	34 29		J, BRANCH 10
A 497	4	P4-653 P6-13			.18 NO .13 NO		.18 NO .13 NO	34 29		J, BRANCH 10
A 498	4	P4-649 P12-74			.18 NO .13 NO		.18 NO .13 NO	34 30		F, BRANCH 9
A 499	4	P4-629 P12-49			.18 NO .13 NO		.18 NO .13 NO	34 30		F, BRANCH 9
A 500	4	P4-529 P12-75			.18 NO .13 NO		.18 NO .13 NO	34 30		F, BRANCH 9
A 501	4	P4-658 P12-30			.18 NO .13 NO		.18 NO .13 NO	34 30		F, BRANCH 9
A 502	4	P4-633 P12-53			.18 NO .13 NO		.18 NO .13 NO	34 30		F, BRANCH 9
A 503	4	P4-650 P12-54			.18 NO .13 NO		.18 NO .13 NO	34 30		F, BRANCH 9
A 504	4	P4-648 P12-31			.18 NO .13 NO		.18 NO .13 NO	34 30		F, BRANCH 9
A 505	4	P4-547 P12-78			.18 NO .13 NO		.18 NO .13 NO	34 30		F, BRANCH 9
A 506	4	P4-533 P12-52			.18 NO .13 NO		.18 NO .13 NO	34 30		F, BRANCH 9
A 507	4	P4-630 P12-30			.18 NO .13 NO		.18 NO .13 NO	34 30		F, BRANCH 9

SIZE
A
CODE IDENT
NO.
80230

6014506

SCALE-NONE

REV LTR

S

SHEET 111 OF 119

SIZE
A
CODE IDENT
NO.
80230

6014506

SCALE-NONE

REV LTR

S

SHEET 113 OF 119

WIRING HARNESS A

6014506

S

WIRE LEAD IDENT ITEM	MATL LG	LEAD CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE UNE, TIN FIG	ACCESSORY ITEMS	REMARKS
A 506	4	P4-530 P12-51						.18 NO .13 NO	34 30	F, BRANCH 9
A 509	4	P4-657 P6-8						.18 NO .13 NO	34 29	J, BRANCH 10
A 510	4	P4-534 P6-20						.18 NO .13 NO	34 29	J, BRANCH 10
A 511	4	P4-537 P6-21						.18 NO .13 NO	34 29	J, BRANCH 10
A 512	4	P4-550 P6-43						.18 NO .13 NO	34 29	J, BRANCH 10
A 513	4	P4-620 P6-44						.18 NO .13 NO	34 29	J, BRANCH 10
A 514	4	P4-549 P6-88						.18 NO .13 NO	34 29	J, BRANCH 10
A 515	4	P4-548 P6-69						.18 NO .13 NO	34 29	J, BRANCH 10
A 516	4	P4-647 P6-4						.18 NO .13 NO	34 29	J, BRANCH 10
A 517	4	P4-636 P6-3						.18 NO .13 NO	34 29	J, BRANCH 10
A 518	4	P4-558 P6-1						.18 NO .13 NO	34 29	J, BRANCH 10
A 519	4	P4-640 P6-2						.18 NO .13 NO	34 29	J, BRANCH 10

SIZE
A
CODE IDENT
NO.
80230

6014506

SCALE-NONE

REV LTR

S

SHEET 112 OF 119

SIZE
A
CODE IDENT
NO.
80230

6014506

SCALE-NONE

REV LTR

S

SHEET 113 OF 119

SIZE
A
CODE IDENT
NO.
80230

6014506

SCALE-NONE

REV LTR

S

SHEET 114 OF 119

WIRING HARNESS A		6014506	S						
NOTE	GENERAL NOTES								
NUMBER	DESCRIPTION								
1	SHIELD TERMINATION FIGURES ARE PER ND1002071 FOR FIGURE 6B AND NO 1002032 FOR FIGURE 7.								
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-7032T.								
3	INTERCONNECT LIST FOR THIS HARNESS IS 6014504.								
4	PARTIAL CIRCUIT POINTS ARE SHOWN. PREFIX WITH UNIT NUMBER 56 FOR COMPLETE CIRCUIT POINT.								
5	THE SUFFIX LETTER OF A CONDUCTOR IDENTIFICATION NUMBER IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER. A- FROM END OF SHIELD B- TO END OF SHIELD G- GREEN K- BLACK L- BLUE N- BROWN R- RED W- WHITE Y- YELLOW								
6	ASTERISK DENOTES LOWER CASE LETTER.								
7	GRID MODULE ON PICTURE SHEET IS 1 INCH TRUE POSITION								
8	UNLESS OTHERWISE SPECIFIED FEATURE CENTERLINES ON PICTURE SHEET ARE LOCATED WITHIN + OR - .25. ENDS OF HOOKUP WIRES OR ACCESSORIES ARE LOCATED WITHIN .12.								
9	VENDOR ITEM-SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.								
	<table border="1"> <tr> <td>SIZE</td> <td>CODE IDENT NO.</td> <td></td> </tr> <tr> <td>A</td> <td>80230</td> <td>6014506</td> </tr> </table>	SIZE	CODE IDENT NO.		A	80230	6014506		
SIZE	CODE IDENT NO.								
A	80230	6014506							
	SCALE-NONE	REV LTR	S						
	SHEET 3 OF 119								

WIRING HARNESS A		6014506	S								
NOTE	GENERAL NOTES										
NUMBER	DESCRIPTION										
10	CRIMP CONTACTS PER ND1002032.										
11	ALL UNUSED CONTACT CAVITIES SHALL BE FILLED WITH A CONTACT OR CONTACT AND SEALING PLUG AS FOLLOWS: CONNECTOR 56P1, 2, 3, AND 4 USE ITEM NUMBER 33 CONNECTOR 56P8, USE ITEM NUMBERS 32 AND 36 CONNECTOR 56P11, USE ITEM NUMBERS 31 AND 62 CONNECTOR 56P5, 6, AND 7 USE ITEM NUMBERS 29 AND 35 CONNECTOR 56P9, 10, 12, 13, AND 14 USE ITEM NUMBER 30 AND 35										
12	LACE HARNESS PER ND1002032 USING ITEM 44.										
13	APPLY BONDING MATERIAL PER ND1002187, TYPE I, USING ITEMS 53, AND 54 TO THE THREADED PORTION OF CONNECTOR AND TO THE THREADED PORTION OF THE ADAPTER PRIOR TO ASSEMBLY.										
14	ALL SHIELDED TERMINATIONS SHALL BE LOCATED BELOW REFERENCE LINE A. THERE SHALL BE NO EXPOSED CONDUCTORS OR ACCESSORIES AT THE SURFACE OF THE POTTING COMPOUND.										
15	BEFORE LACING HARNESS, APPLY 2 TURNS OF TAPE TO INDICATE CABLE CLAMP LOCATION.										
16	WRAP TAPE AROUND HARNESS IN AREA SHOWN, AS REQUIRED, TO BUILD UP DIAMETER TO FIT CABLE CLAMP.										
17	MARK CONNECTOR WITH REFERENCE DESIGNATION AS SHOWN .12 HIGH, BLACK, PER ND1002019, CENTRALIZE.										
18	DELETED										
19	MARK CHARACTERS .12 HIGH, BLACK, PER ND1002019, SERIALIZE PER ND1002023.										
20	CONTINUITY TEST PER CONDUCTOR CHART. RESISTANCE SHALL BE LESS THAN 1/2 OHM. TEST PER MIL-STD-202, METHOD 302.										
	<table border="1"> <tr> <td>SIZE</td> <td>CODE IDENT NO.</td> <td></td> <td></td> </tr> <tr> <td>A</td> <td>80230</td> <td>6014506</td> <td></td> </tr> </table>	SIZE	CODE IDENT NO.			A	80230	6014506			
SIZE	CODE IDENT NO.										
A	80230	6014506									
	SCALE-NONE	REV LTR	T								
	SHEET 4 OF 119										

WIRING HARNESS A		6014506	T								
NOTE	GENERAL NOTES										
NUMBER	DESCRIPTION										
21	A. INSULATION RESISTANCE SHALL BE GREATER THAN 100 MEGOHMS WITH 500 VDC APPLIED BETWEEN 1. THE ASSEMBLY PINS AND STRUCTURE GROUND, WITH THE EXCEPTION OF THOSE PINS ELECTRICALLY CONNECTED TO STRUCTURE GROUND AND THOSE PINS SPECIFIED IN PARA B. 2. EACH PIN AND ALL OTHER PINS NOT ELECTRICALLY CONNECTED, INCLUDING ALL SPARE PINS. TEST PER MIL-STD-202, METHOD 302, EXCEPT ELECTRIFICATION TIME NOT APPLICABLE. SHORT CIRCUIT CURRENT SHALL BE LIMITED TO 15 MA.										
22	PRESEAL BACK OF CONNECTORS P1, P2, P3, AND P4 PRIOR TO ENCAPSULATION PER ND1002187 TYPE III USING ITEMS 53, 54, 55, AND 56										
23	ENCAPSULATE BACK OF CONNECTORS PER ND1002236 USING ITEMS 46 AND 57.										
24	CONDUCTORS LISTED WITH A LETTER A THROUGH Q IN THE REMARKS COLUMN ARE TO BE ASSEMBLED AS SHOWN ON THE CONFIGURATION DRAWING.										
25	GROUP SHIELDING - THREAD ONE CONTINUOUS LENGTH OF GROUND WIRE, ITEM 17, THROUGH CENTER OF EMI/RFI SHIELDING TAPE, ITEM 82. ALLOW 6 INCHES OF GROUND WIRE TO EXTEND BEYOND ENDS OF SHIELDING TAPE. WRAP CARBON WITH ONE CONTINUOUS LENGTH OF PREPARED SHIELDING. SUCCESSIVE TURNS SHALL OVERLAP BY APPROXIMATELY 1/2 THE WIDTH OF THE TAPE, WITH A MINIMUM OF RIDGES AND FOLDS.										
26	COMPLETELY COVER SHIELD WITH ONE CONTINUOUS WRAP OF INSULATION TAPE, ITEM 45. SUCCESSIVE TURNS SHALL OVERLAP BY APPROXIMATELY 1/2 THE WIDTH OF THE TAPE WITH A MINIMUM OF RIDGES AND FOLDS.										
27	ASSEMBLE INSULATION TUBING ITEM 80, OVER GROUND WIRE AS REQUIRED TO REACH TERMINATION. ASSEMBLE SHRINK SLEEVING AS SHOWN.										
	<table border="1"> <tr> <td>SIZE</td> <td>CODE IDENT NO.</td> <td></td> <td></td> </tr> <tr> <td>A</td> <td>80230</td> <td>6014506</td> <td></td> </tr> </table>	SIZE	CODE IDENT NO.			A	80230	6014506			
SIZE	CODE IDENT NO.										
A	80230	6014506									
	SCALE-NONE	REV LTR	T								
	SHEET 5 OF 119										

WIRING HARNESS A		6014506	S								
NOTE	GENERAL NOTES										
NUMBER	DESCRIPTION										
28	CONDUCTORS SHALL ENTER CONNECTORS 56P1, 2, 3, AND 4 THROUGH THE BRANCH SPECIFIED IN THE REMARKS COLUMN.										
29	DELETED										
30	PERFORM WORKMANSHIP VIBRATION. A. SINUSOIDAL SWEEP AT 3.5 G RMS. LIMITED TO 0.3 INCH PEAK TO PEAK DISPLACEMENT, FROM 10 TO 2000 CPS AT A RATE OF 4 OCTAVES PER MINUTE. B. VIBRATION ALONG THE X AXIS OF THE SPACE CRAFT. C. MONITOR FOR DISCONTINUITIES OF 10 MICRO SECONDS OR GREATER DURING VIBRATION. D. COMPLETE CONTINUITY AND INSULATION RESISTANCE TESTING MUST BE ACCOMPLISHED AFTER VIBRATION.										
31	MARK CHARACTERS .10 -.14 HIGH, BLACK, PER ND1002019, CENTRALIZE AS SHOWN										
32	ASSEMBLE INSULATION SLEEVE, ITEM 93, OVER EACH ELECTRICALLY CONNECTED PIN OF CONNECTORS P1, P2, P3 AND P4. POSITION SLEEVING FLUSH TO TOP OF NYLON INSULATOR.										
	<table border="1"> <tr> <td>SIZE</td> <td>CODE IDENT NO.</td> <td></td> <td></td> </tr> <tr> <td>A</td> <td>8023J</td> <td>6014506</td> <td></td> </tr> </table>	SIZE	CODE IDENT NO.			A	8023J	6014506			
SIZE	CODE IDENT NO.										
A	8023J	6014506									
	SCALE-NONE	REV LTR	S								
	SHEET 6 OF 119										

WIRING HARNESS A

6014506

S

LEAD IDENT	WIRE MATL	LEAD	CIRCUIT PT	TERM. JKT	SHLD	LEAD	INS	NOTE ONE,	REMARKS												
									ITEM	LG	FROM (A)	TO (B)	AREA	STRIP	STRIP	CUT	LG	TIN	FIG	ACCESSORY ITEMS	
A 541	4	P4-513 P7-67					.18	NU		34			D, BRANCH 9								
							.13	NU		29											
A 542		DELETED																			
A 543		DELETED																			
A 544		DELETED																			
A 545		DELETED																			
A 546		DELETED																			
A 547		DELETED																			
A 548		DELETED																			
A 551	17	E17 E35						NU		80			A								
								NU		80											
A 552	17	E17 E35						NU		76, 80			B								
								NU		80											
A 553	17	E35 E38						NU		80			C								
								NU		80											
A 554	17	E20 E37						NU		80			D								
								NU		80											

SIZE	CODE IDENT NO.			
A	80230			
6014506				
SCALE-NONE	REV LTR	S	SHEET	115 OF 119

MIL-STD-883C

WIRING HARNESS A

6014506

S

LEAD IDENT	WIRE MATL	LEAD	CIRCUIT PT	TERM. JKT	SHLD	LEAD	INS	NOTE ONE,	REMARKS													
									ITEM	LG	FROM (A)	TO (B)	AREA	STRIP	STRIP	CUT	LG	TIN	FIG	ACCESSORY ITEMS		
A 567	2	P8-L P8-F					.22	NO														
							.22	NO														
A 568	2	P8-E P8-F					.22	NO		32												
							.22	NO		32												
A 569	2	P8-H P8-M					.22	NO														
							.22	NO														
A 570	2	P8-H P8-M					.22	NO		32												
							.22	NO		32												
A 571	2	P8-J P8-M					.22	NO														
							.22	NO														
A 572	2	P8-J P8-M					.22	NO		32												
							.22	NO		32												
A 573	4	P4-628 P6-83					.18	NO		34			J, BRANCH 10									
							.13	NO		29												
A 574	4	P4-528 P6-49					.18	NO		34			J, BRANCH 10									
							.13	NO		29												
A 575	4	P4-626 P6-36					.18	NO		34			J, BRANCH 10									
							.13	NO		29												
A 576	4	P4-526 P6-35					.18	NO		34			J, BRANCH 10									
							.13	NO		29												
A 577	4	P4-519 P6-34					.19	NO		34			J, BRANCH 10									
							.13	NO		29												
A 578	2	E43 P2-09					.30	NO		91, 92			SMALL END.									
							.18	NO		33												

SIZE	CODE IDENT NO.			
A	80230			
6014506				
SCALE-NONE	REV LTR	S	SHEET	117 OF 119

MIL-STD-883C

WIRING HARNESS A

6014506

I

LEAD IDENT	WIRE MATL	LEAD	CIRCUIT PT	TERM. JKT	SHLD	LEAD	INS	NOTE ONE,	REMARKS												
									ITEM	LG	FROM (A)	TO (B)	AREA	STRIP	STRIP	CUT	LG	TIN	FIG	ACCESSORY ITEMS	
A 555	17	E20 E34																			
A 556	17	E37 E39																			
A 557	17	E36 E39																			
A 558	17	E35 E38																			
A 559	17	E19 E34																			
A 560	17	E22 E36																			
A 561	17	E34 E42																			
A 562	17	E16 E37																			
A 563	17	E43 E37																			
A 564	17	P1-F19 E34																			
A 565	2	P8-D P8-F																			
A 566	2	P8-D P8-F																			

SIZE	CODE IDENT NO.			
A	80230			
6014506				
SCALE-NONE	REV LTR	T	SHEET	116 OF 119

MIL-STD-883C

WIRING HARNESS A

6014506

S

NOTE GENERAL NOTES
NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+ .06-.06	+ .06-.06	+ .06-.06	+ .06-.00
3 INCH TO 3 FT	+ .50-.00	+ .25-.25	+ .25-.25	+ .25-.25	+ .25-.25
3 FT TO 10 FT	+ 1.00-.00				
10 FT AND OVER	+ 2.00-.00				

SIZE	CODE IDENT NO.
A	80230

6014506

SCALE-NONE

REV LTR

S

SHEET 7 OF 119

MIL-D-28849B

WIRING HARNESS A

6014506

T

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
14	1	6014506-014	WIRE PER 1010789-011, 24 AWG, YEL, YEL JKT, 7 FT TOT LG	
15	1	6014506-015	WIRE PER 1010789-012, 24 AWG, YEL, RED, YEL JKT, 20 FT TOT LG	
16	1	6014506-016	WIRE PER 1010789-015, 26 AWG, YEL, RED, YEL JKT, 380 FT TOT LG	
17	1	6014506-17	WIRE PER QQ-W-343, TYPE C, CLASS C UNCOATED, SILVER PLATED, 22AWG, 300 FT TOT LG	
18	1	6014506-018	WIRE PER 1010789-013, 24AWG, YEL, RED, GRN, YEL JKT, 5 FT TOT LG	
9	19	1	1010929-101	CONNECTOR, PLUG, ELECTRICAL (56P5)
9	20	1	1010929-102	CONNECTOR, PLUG, ELECTRICAL (56P6)
9	21	1	1010929-103	CONNECTOR, PLUG, ELECTRICAL (56P7)
9	22	1	1010929-201	CONNECTOR, PLUG, ELECTRICAL (56P12)
9	23	1	1010929-202	CONNECTOR, PLUG, ELECTRICAL (56P10)
9	24	1	1010929-203	CONNECTOR, PLUG, ELECTRICAL (56P14)
9	25	1	1010929-204	CONNECTOR, PLUG, ELECTRICAL (56P13)
9	26	1	1010929-206	CONNECTOR, PLUG, ELECTRICAL (56P9)
9	27	1	1010947-205	CONNECTOR, PLUG, ELECTRICAL (56P11)
9	28	1	1010947-101	CONNECTOR, PLUG, ELECTRICAL (56P8)
9	29	REF	1010770- 1	CONTACT PIN, SUPPLIED WITH CONNECTOR 1010929

SIZE	CODE IDENT NO.
A	80230

6014506

SCALE-NONE

REV LTR

T

SHEET 9 OF 119

MIL-D-28849B

WIRING HARNESS A

6014506

S

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
1		1	6014506-001	DELETED
2		1	6014506-002	WIRE PER 1010789-006, 22 AWG, YEL, 25 FT TOT LG
3		1	6014506-003	WIRE PER 1010789-001, 24 AWG, YEL, 25 FT TOT LG
4		1	6014506-004	WIRE PER 1010789-016, 26 AWG, YEL, 720 FT TOT LG
5		1	6014506-005	WIRE PER 1010789-002, 24 AWG, BLK, 180 FT TOT LG
6		1	6014506-006	WIRE PER 1010789-024, 26 AWG, BLK, 35 FT TOT LG
7		1	6014506-007	WIRE PKF 1010789-008, 22 AWG, YEL, RED, 190 FT TOT LG
8		1	6014506-008	WIRE PER 1010789-003, 24 AWG, YEL, RED, 40 FT TOT LG
9		1	6014506-009	WIRE PER 1010789-017, 26 AWG, YEL, RED, 160 FT TOT LG
10		1	6014506-010	WIRE PER 1010789-009, 22 AWG, YEL, RED, GRN, 40 FT TOT LG
11		1	6014506-011	WIRE PER 1010789-018, 26 AWG, YEL, RED, GRN, 15 FT TOT LG
12		1	6014506-012	WIRE PER 1010789-005, 24 AWG, YEL, RED, GRN, BRN, 10 FT TOT LG
13		1	6014506-013	WIRE PER 1010789-019, 26 AWG, YEL, RED, GRN, BRN, 10 FT TOT LG

SIZE	CODE IDENT NO.
A	80230

6014506

SCALE-NONE

REV LTR

S

SHEET 8 OF 119

WIRING HARNESS A

6014506

S

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
9	30	REF	1010770- 2	CONTACT SOCKET, SUPPLIED WITH CONNECTOR 1010929
9	31	REF	1010964- 2	CONTACT SOCKET, SUPPLIED WITH CONNECTOR 1010947
9	32	REF	1010963- 4	CONTACT PIN, SUPPLIED WITH CONNECTOR 1010947
9	33	545	1010955- 1	CONTACT, MALE
9	34	605	1010955- 2	CONTACT, MALE
11	35	190	1010958- 1	PLUG, PROTECTIVE
11	36	6	1010958- 5	PLUG, PROTECTIVE
9	37	228	1010402- 2	SLEEVE, SOLDER
38		2	1010490-110	INSULATION, SLEEVING (HEAT SHRINKABLE)
39			1012534- 38	DELETED
40		2	2014670- 4	ADAPTOR, CONNECTOR
41		1	2014670- 15	ADAPTOR, CONNECTOR
43	AR		MIL-T-23594	TAPE, TEFLON, TYPE II, 1/4 INCH WIDE
44	AR		1012507- 4	TAPE, LACING
45	AR		MIL-T-23594	TAPE, TEFLON, TYPE II, 1 INCH WIDE
46	AR		1012503	COMPOUND, POTTING, POLYURETHANE
50		1	2014670- 1	ADAPTOR, CONNECTOR
51		1	2014670- 16	ADAPTOR, CONNECTOR

SIZE	CODE IDENT NO.
A	80230

6014506

SCALE-NONE

REV LTR

S

SHEET 10 OF 119

MIL-D-28849B

WIRING HARNESS A

6014506

S

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
52		2	1010811-	DELETED
53	AR	1	1010661	EPOXY RESIN
54	AR	1	1010679	ADHESIVE, ACTIVATOR
55	AR	1	1006277	SILICA, PULVERIZED, PYROGENIC
56	AR	1	1008822	COLDHANT, EPOXY BASE
57	AR	1	1012504	PRIMER, METAL PARTS
58	1	1	6014531-011	CONNECTOR ASSY, ELECT. (56P1)
59	1	1	6014532-011	CONNECTOR ASSY, ELECT. (56P2)
60	1	1	2014741-011	CONNECTOR PLUG, ELECT.
61	1	1	2014749-011	CONNECTOR PLUG, ELECT.
62	7	2	1010958-	PLUG, PROTECTIVE
64		1	6014539	DELETED
69		1	MS35335-57	DELETED
70	17	1	MS25036-52	TTERMINAL LUG
71	17	1	1006783-18	SCREW, BUTTON HD
72		1	1006710-001	DELETED
73		4	1010945-	DELETED
74		95	1012534-	DELETED

SIZE	CODE IDENT NO. 80230	6014506
A		

SCALE-NONE REV LTR S SHEET 11 OF 119

MIL-244-500

WIRING HARNESS A

6014506

S

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
93		864	1010490-082	INSULATION SLEEVING (HEAT SHRINK)

SIZE	CODE IDENT NO. 80230	6014506
A		

SCALE-NONE REV LTR S SHEET 13 OF 119

MIL-244-500

WIRING HARNESS A

6014506

T

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
75		1	MS171B2-2	DELETED
76	9	1	MS171B2-1	TERMINAL LUG
77	9	1	MS35333-69	WASHER, LOCK
78	9	1	1006783-93	SCREW, BUTTON HD
79	AR	1	1010489	TAPE, SHIELDING, EMI/RFI, 300 FT TOT LG
80	AR	1	1006776-19	SLEEVE, INSULATION, 10 FT TOT LG
81		1	MS24693-C26	DELETED
82		1	MS35649-64	DELETED
83		1	MS35335-58	DELETED
84		1	MS25036-1	DELETED
85		1	1010490-372	DELETED
86		1	1010490-282	DELETED
87		1	QQ-S-571	DELETED
88		1	MIL-F-14256	DELETED
89	4	1	2014670-11	ADAPTER, CONNECTOR
90	1	1	2014670-13	ADAPTER, CONNECTOR
91	1	1	1010490-286	SLEEVING, INSULATION (HEAT SHRINKABLE)
92	1	1	1010945-1	SPLICE-REDUCER.

SIZE	CODE IDENT NO. 80230	6014506
A		

SCALE-NONE REV LTR T SHEET 12 OF 119

MIL-244-500

WIRING HARNESS A

6014506

S

SEE NOTE LIST OF MATERIALS

WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM.JKT NO.	SHLD LG	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	16						1.00 .75 1.75 1.50	68 37 68 37		
A	1A	5	SHLD A1 P3-340						.20 NO .19 NO	33	BRANCH 6
A	1B	5	P14-6 SHLD A1						.13 NO .20 NO	30	
A	1R		P3-140 P14-17						.19 NO .13 NO	34 30	BRANCH 6
A	1Y		P3-240 P14-16						.19 NO .13 NO	34 30	BRANCH 6
A	2	16						1.00 .75 1.75 1.50	68 37 68 37		
A	2A	5	SHLD A2 P3-640						.20 NO .19 NO	33	BRANCH 6
A	2B	5	P14-15 SHLD A2						.13 NO .20 NO	30	
A	2R		P3-440 P14-5						.19 NO .13 NO	34 30	BRANCH 6
A	2Y		P3-540 P14-14						.19 NO .13 NO	34 30	BRANCH 6
A	3	16						1.00 .75 1.75 1.50	68 37 68 37		
A	3A	6	SHLD A3 P3-341						.20 NO .19 NO	33	BRANCH 6

SIZE	CODE IDENT NO. 80230	6014506
A		

SCALE-NONE REV LTR S SHEET 14 OF 119

MIL-244-500

WIRING HARNESS A											6014506	S
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. AREA NO.	JKT. STRIP LG	SHLD. STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, FIG.	ACCESSORY ITEMS	REMARKS	
A	3E	5	P14-21 SHLD A3					.13 NO .20 NO		30		
A	3F		P14-41 P14-8					.19 NO .13 NO		30	BRANCH 6	
A	3Y		P14-241 P14-20					.19 NO .13 NO		30	BRANCH 5	
A	4	16		1.00	.75				68	37		
				1.75	1.50				68	37		
A	4A	6	SHLD A4 P14-61					.20 NO .19 NO		33	BRANCH 7	
A	4B	5	P14-19 SHLD A4					.13 NO .20 NO		30		
A	4R		P14-441 P14-7					.19 NO .13 NO		30	BRANCH 7	
A	4Y		P14-541 P14-18					.19 NO .13 NO		30	BRANCH 7	
A	5	16		1.00	.75				68	37		
				1.75	1.50				68	37		
A	5A	5	SHLD A5 P14-342					.20 NO .19 NO		33	BRANCH 6	
A	5B	5	P14-11 SHLD A5					.13 NO .20 NO		30		
A	5R		P14-142 P14-10					.19 NO .13 NO		34	BRANCH 6	
										30		
		SIZE A		CODE IDENT NO. 80230		6014506						
SCALE-NONE				REV LTR			S			SHEET 15 OF 119		

WIRING HARNESS A												6014506	S
LEAD IDENT	WIRE ITEM	MATERIAL	LEAD FROM (A)	PT TO (B)	TERM. AREA	JKT STRIP NO.	SHLD LG	LEAD LG	INS C/T LG	STRIP TIN	NOTE UNL, FIG	ACCESSORY ITEMS	REMARKS
A 5Y			P3-242 P14-24						.19 NO		34		BRANCH 6
									.13 NO		30		
A 6 16					1.00	.75				68	37		
					1.75	1.50				68	37		
A 6A 5			SHLD A6 P3-642						.20 NO				
									.19 NO		33		BRANCH 7
A 6B 5			P14-23 SHLD A6						.13 NO		30		
									.22 NO				
A 6R			P3-442 P14-9						.19 NO		34		BRANCH 7
									.13 NO		30		
A 6Y			P3-542 P14-22						.19 NO		34		BRANCH 7
									.13 NO		30		
A 7 16					1.00	.75				68	37		
					1.75	1.50				68	37		
A 7A 6			SHLD A7 P3-343						.20 NO				
									.19 NO		33		BRANCH 7
A 7B 5			P14-29 SHLD A7						.13 NO		30		
									.20 NO				
A 7R			P3-143 P14-13						.19 NO				BRANCH 7
									.13 NO		30		
A 7Y			P3-243 P14-28						.19 NO				BRANCH 7
									.13 NO		30		
A 8 16					1.00	.75				68	37		
					1.75	1.50				68	37		
												6014506	S
												6014506	S
												SCALE-NONE	REV LTR
												S	SHEET 16 OF 19

WIRING HARNESS A										6014506	S
LEAD IDENT	WIRE MATL	LEAD ITEM	CIRCUIT PT FROM (A)	TERM. JKT AREA	SHLD STRIP	LEAD STRIP	INS CUT	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS	
				NO.	LG	LG	LG				
A	BA	6	SHLD AB P3-643				.20 NO .19 NO		33	BRANCH 7	
A	BB	5	P14-27 SHLD A8				.13 NO .20 NO		30		
A	BR		P3-443 P14-12				.19 NO .13 NO		30	BRANCH 7	
A	BY		P3-543 P14-26				.19 NO .13 NO		30	BRANCH 7	
A	9	16		1.00	.75			68	37		
				1.75	1.50			68	37		
A	9A	5	SHLD A9 P3-344				.20 NO .19 NO		33	BRANCH 7	
A	9B	5	P14-54 SHLD A9				.13 NO .20 NO		30		
A	9R		P3-144 P14-31				.19 NO .13 NO		34 30	BRANCH 7	
A	9Y		P3-244 P14-53				.19 NO .13 NO		34 30	BRANCH 7	
A	10	16		1.00	.75			68	37		
				1.75	1.50			68	37		
A	10A	5	SHLD A10 P3-644				.20 NO .19 NO		33	BRANCH 7	
A	10B	5	P14-52 SHLD A10				.13 NO .20 NO		30		
		SIZE		CODE IDENT NO. 80230				6014506			
		SCALE-NONE		REV LTR		S		SHEET 17 OF 110			

WIRING HARNESS A

6014506

S

LEAD IDENT ITEM	WIRE MATERIAL	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT NO.	SHLD AREA	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	REMARKS	
									STRIP LG	LEAD LG
A 13 16					1.00 .75		68	37		
					1.75 1.50		68	37		
A 13A 6		SHLD A13 P3-346				.20 NO .19 NO				
						.19 NO	33		BRANCH 7	
A 13B 5		P12-57 SHLD A13				.13 NO .20 NO				
						.13 NO	30		BRANCH 7	
A 13R		P3-146 P12-81				.19 NO .13 NO			BRANCH 7	
						.13 NO	30		BRANCH 7	
A 13Y		P3-246 P12-56				.19 NO .13 NO			BRANCH 7	
						.19 NO	30		BRANCH 7	
A 14 16					1.00 .75		68	37		
					1.75 1.50		68	37		
A 14A 6		SHLD A14 P3-646				.20 NO .19 NO				
						.19 NO	33		BRANCH 7	
A 14B 5		P12-03 SHLD A14				.13 NO .20 NO				
						.13 NO	30		BRANCH 7	
A 14R		P3-446 P12-82				.19 NO .13 NO			BRANCH 7	
						.13 NO	30		BRANCH 7	
A 14Y		P3-546 P12-58				.19 NO .13 NO			BRANCH 7	
						.19 NO	30		BRANCH 7	
A 15 16					1.00 .75		68	37		
					1.75 1.50		68	37		
A 15A 6		SHLD A15 P3-347				.20 NO .19 NO			BRANCH 7	
						.19 NO	33		BRANCH 7	
SIZE A		CODE IDENT NO. 80230	6014506							
SCALE-NONE		REV LTR S	SHEET 19 OF 119							

WIRING HARNESS A

6014506

S

LEAD IDENT ITEM	WIRE MATERIAL	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT NO.	SHLD AREA	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	REMARKS	
									STRIP LG	LEAD LG
A 15B 5			P12-17 SHLD A15						.13 NO	30
									.20 NO	
A 15H			P3-147 P12-16						.19 NO	
									.13 NO	30
A 15Y			P3-247 P12-6						.19 NO	
									.13 NO	30
A 16 16					1.00 .75		68	37		
					1.75 1.50		68	37		
A 16A 6		SHLD A16 P3-647							.20 NO	
									.19 NO	33
A 16B 5		P12-19 SHLD A16							.13 NO	30
									.20 NO	
A 16R		P3-447 P12-18							.19 NO	
									.13 NO	30
A 16Y		P3-547 P12-36							.19 NO	
									.13 NO	30
A 17 16					1.00 .75		68	37		
					1.75 1.50		68	37		
A 17A 6		SHLD A17 P3-348							.20 NO	
									.19 NO	33
A 17B 5		P12-59 SHLD A17							.13 NO	30
									.20 NO	
A 17R		P3-148 P12-84							.19 NO	
									.13 NO	30
SIZE A		CODE IDENT NO. 80230	6014506							
SCALE-NONE		REV LTR S	SHEET 20 OF 119							

WIRING HARNESS A

6014506

S

LEAD IDENT ITEM	WIRE MATERIAL	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT NO.	SHLD AREA	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	REMARKS	
									STRIP LG	LEAD LG
A 17Y			P3-248 P12-60						.19 NO	
									.13 NO	30
A 18 16					1.00 .75		68	37		
					1.75 1.50		68	37		
A 18A 6		SHLD A18 P3-648							.20 NO	
									.19 NO	33
A 18B 5		P12-61 SHLD A18							.13 NO	
									.20 NO	30
A 18R		P3-448 P12-62							.19 NO	
									.13 NO	30
A 18Y		P3-548 P12-38							.19 NO	
									.13 NO	30
A 19 16					1.00 .75		68	37		
					1.75 1.50		68	37		
A 19A 6		SHLD A19 P3-349							.20 NO	
									.19 NO	33
A 19B 5		P12-20 SHLD A19							.13 NO	
									.20 NO	30
A 19R		P3-149 P12-21							.19 NO	
									.13 NO	30
A 19Y		P3-249 P12-8							.19 NO	
									.13 NO	30
A 20 8										
SIZE A		CODE IDENT NO. 80230	6014506							
SCALE-NONE		REV LTR S	SHEET 21 OF 119							

WIRING HARNESS A

6014506

S

LEAD IDENT ITEM	WIRE MATERIAL	CIRCUIT PT LEAD FROM (A) TO (B)	TERM. JKT NO.	SHLD AREA	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG	REMARKS	
									STRIP LG	LEAD LG
A 20R			P2-H11 P3-428						.19 NO	
									.19 NO	33
A 20Y			P2-K11 P3-528						.19 NO	
									.19 NO	33
A 21 8										
A 21R			P2-H10 P3-228						.19 NO	
									.19 NO	33
A 21Y			P2-K10 P3-328						.19 NO	
									.19 NO	33
A 22 16										
					1.00 .75		68	37		
					1.00 .75		68	37		
A 22A 5		SHLD A22 P2-B33							.20 NO	
									.19 NO	33
A 22B 5		P3-329 SHLD A22							.19 NO	
									.20 NO	33
A 22R			P2-B35 P3-129						.19 NO	
									.19 NO	34
A 22Y			P2-B34 P3-229						.19 NO	
									.19 NO	34
A 23 16										
					1.00 .75		68	37		
					1.00 .75		68	37		
A 23A 5		SHLD A23 P2-D33							.20 NO	
									.19 NO	33
A 23B 5		P3-330 SHLD A23							.20 NO	
									.19 NO	33
SIZE A		CODE IDENT NO. 80230	6014506							
SCALE-NONE		REV LTR S	SHEET 22 OF 119							

WIRING HARNESS A									6014506	S		
WIRE LEAD IDENT	MATERIAL	LEAD ITEM	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD AREA	STRIP LG	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG.	ACCESSORY ITEMS	REMARKS
A	23B	5	P3-629 SHLD A23			.19	NU			33		BRANCH 6
						.20	NU					
A	23R		P2-035 P3-429			.19	NU			34		BRANCH 4
						.19	NU			34		BRANCH 6
A	23Y		P2-034 P3-529			.19	NU			34		BRANCH 4
						.19	NU			34		BRANCH 6
A	24	16				1.00	.75			68	37	
						1.00	.75			68	37	
A	24A	5	SHLD A24 P2-G33			.20	NU					
						.19	NU			33		BRANCH 4
A	24B	5	P3-330 SHLD A24			.19	NU			33		BRANCH 6
						.20	NU					
A	24R		P2-G35 P3-130			.19	NU			34		BRANCH 4
						.19	NU			34		BRANCH 6
A	24Y		P2-G34 P3-230			.19	NU			34		BRANCH 4
						.19	NU			34		BRANCH 6
A	25	16				1.00	.75			68	37	
						1.00	.75			68	37	
A	25A	5	SHLD A25 P2-C33			.20	NU					
						.19	NU			33		BRANCH 4
A	25B	5	P3-630 SHLD A25			.19	NU			33		BRANCH 6
						.20	NU					
A	25R		P2-C35 P3-430			.19	NU			34		BRANCH 4
						.19	NU			34		BRANCH 6

SIZE	CODE IDENT NO. 80230		6014506
A			
SCALE-NONE	REV LTR	S	SHEET 23 OF 119

WIRING HARNESS A									6014506	S		
WIRE LEAD IDENT	MATERIAL	LEAD ITEM	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD AREA	STRIP LG	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG.	ACCESSORY ITEMS	REMARKS
A	25Y		P2-C34 P3-530							.19	NU	34
										.19	NU	34
A	26	16							1.00	.75		BRANCH 6
									1.00	.75		BRANCH 6
A	26A	5	SHLD A26 P2-F33								.20	NU
											.19	NU
A	26B	5	P3-331 SHLD A26								.20	NU
											.19	NU
A	26R		P2-F35 P3-131								.19	NU
											.19	NU
A	26Y		P2-F36 P3-231								.19	NU
											.19	NU
A	27	16							1.00	.75		BRANCH 6
									1.00	.75		BRANCH 6
A	27A	5	SHLD A27 P2-H33								.20	NU
											.19	NU
A	27B	5	P3-631 SHLD A27								.20	NU
											.19	NU
A	27R		P2-H35 P3-431								.19	NU
											.19	NU
A	27Y		P2-H34 P3-531								.19	NU
											.19	NU
A	28	16							1.00	.75		BRANCH 6
									1.75	1.50		BRANCH 6

SIZE	CODE IDENT NO. 80230		6014506
A			
SCALE-NONE	REV LTR	S	SHEET 24 OF 119

WIRING HARNESS A									6014506	S		
WIRE LEAD IDENT	MATERIAL	LEAD ITEM	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD AREA	STRIP LG	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG.	ACCESSORY ITEMS	REMARKS
A	28A	5	SHLD A28 E15			.20	NU					
						.19	NU					
A	28B	5	P7-54 SHLD A28			.13	NU			29		
						.20	NU					
A	28R		P3-132 P7-78			.19	NU					BRANCH 6
						.13	NU			29		
A	28Y		P3-232 P7-53			.19	NU					BRANCH 6
						.13	NU			29		
A	29	16				1.00	.75			68	37	
						1.75	1.50			68	37	
A	29A	5	SHLD A29 E16			.20	NU					
						.19	NU					
A	29B	5	P7-80 SHLD A29			.13	NU			29		
						.20	NU					
A	29R		P3-432 P7-79			.19	NU					BRANCH 6
						.13	NU			29		
A	29Y		P3-532 P7-55			.19	NU					BRANCH 6
						.13	NU			29		
A	30	16				1.00	.75			68	37	
						1.75	1.50			68	37	
A	30A	5	SHLD A30 E15			.20	NU					
						.19	NU					
A	30B	5	P7-33 SHLD A30			.13	NU			29		
						.20	NU					

SIZE	CODE IDENT NO. 80230		6014506
A			
SCALE-NONE	REV LTR	S	SHEET 25 OF 119

WIRING HARNESS A									6014506	S		
WIRE LEAD IDENT	MATERIAL	LEAD ITEM	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD AREA	STRIP LG	STRIP LG	LEAD LG	INS STRIP LG	NOTE ONE, TIN FIG.	ACCESSORY ITEMS	REMARKS
A	30R		P3-133 P7-16							.19	NU	29
										.13	NU	
A	30Y		P3-233 P7-32							.19	NU	29
										.13	NU	
A	31	16							1.00	.75		BRANCH 6
									1.75	1.50		BRANCH 6
A	31A	5	SHLD A31 E16								.20	NU
											.19	NU
A	31B	5	P7-57 SHLD A31								.13	NU
											.20	NU
A	31R		P3-433 P7-81								.19	NU
											.13	NU
A	31Y		P3-533 P7-56								.19	NU
											.13	NU
A	32	16							1.00	.75		BRANCH 6
									1.75	1.50		BRANCH 6
A	32A	5	SHLD A32 E15								.20	NU
											.19	NU
A	32B	5	P7-35 SHLD A32								.13	NU
											.20	NU
A	32R		P3-134 P7-34								.19	NU
											.13	NU
A	32Y		P3-234 P7-17								.19	NU
											.13	NU

SIZE	CODE IDENT NO. 80230		6014506
A			
SCALE-NONE	REV LTR	S	SHEET 26 OF 119

WIRING HARNESS A										6014506		S	
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD AREA	STRIP LG	LFAD STRIP LG	INS LG	NOTE UNE, TIN FIG	REMARKS ACCESSORY ITEMS			
A	33	2	P2-H8 P3-136			.19	NO	.33		BRANCH 3 BRANCH 6			
		2	P2-K8 P3-136			.19	NO	.33		BRANCH 3 BRANCH 6			
A	35	4	P3-113 P4-514			.19	NO	.34		O, BRANCH 5 BRANCH 8			
A	36	4	P3-612 P4-314			.19	NO	.34		O, BRANCH 5 BRANCH 8			
A	37	4	P3-512 P4-414			.19	NO	.34		O, BRANCH 5 BRANCH 8			
A	38	4	P3-612 P4-614			.19	NO	.34		O, BRANCH 5 BRANCH 8			
A	39	4	P3-312 P4-313			.19	NO	.34		O, BRANCH 5 BRANCH 8			
A	40	4	P3-112 P4-412			.19	NO	.34		O, BRANCH 5 BRANCH 8			
A	41	16		1.00	.75					68 37			
				1.00	.75					68 37			
A	41A	5	SHLD A41 P3-111			.20	NO						
						.19	NO			33	BRANCH 5		
A	41E	5	E4 SHLD A41			.19	NO						
						.20	NO						
A	41K		P3-311 P4-515			.19	NO	.34		BRANCH 5			
						.19	NO	.34		BRANCH 8			
SIZE		CODE IDENT NO.	80230	6014506									
SCALE-NONE		REV LTR	S	SHEET 27 OF 119									

WIRING HARNESS A										6014506		S	
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD AREA	STRIP LG	LFAD STRIP LG	INS LG	NOTE UNE, TIN FIG	REMARKS ACCESSORY ITEMS			
A	41Y		P3-211 P4-615							.19	NO	34	BRANCH 5 BRANCH 8
A	42	16				I.00	.75				68	37	
						1.00	.75				68	37	
A	42A	5	SHLD A42 P3-410							.20	NO	33	BRANCH 5
A	42B	5	E7 SHLD A42							.19	NO	20	NO
A	42R		P3-610 P4-332							.19	NO	34	BRANCH 5 BRANCH 9
A	42Y		P3-510 P4-432							.19	NO	34	BRANCH 5 BRANCH 9
A	43	16				1.00	.75				68	37	
						1.00	.75				68	37	
A	43A	5	SHLD A43 P3-110							.20	NO	33	BRANCH 5
A	43B	5	E7 SHLD A43							.19	NO	20	NO
A	43R		P3-310 P4-330							.19	NO	34	BRANCH 5 BRANCH 9
A	43Y		P3-210 P4-430							.19	NO	34	BRANCH 5 BRANCH 9
A	44	16				1.00	.75				68	37	
						1.00	.75				68	37	
SIZE		CODE IDENT NO.	80230	6014506									
SCALE-NONE		REV LTR	S	SHEET 28 OF 119									

WIRING HARNESS A										6014506		S	
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT TERM. JKT FROM (A) TO (B)	SHLD NO.	LFAD AREA	STRIP LG	STRIP LG	INS LG	NOTE UNE, TIN FIG	REMARKS ACCESSORY ITEMS			
A	44A	5	SHLD A44 P3-409			.20	NO						
						.19	NO			33	BRANCH 5		
A	44B	5	E6 SHLD A44			.19	NO						
						.20	NO						
A	44R		P3-609 P4-329			.19	NO	.34		BRANCH 5 BRANCH 9			
A	44Y		P3-509 P4-429			.19	NO	.34		BRANCH 5 BRANCH 9			
A	45	16		1.00	.75					68 37			
				1.00	.75					68 37			
A	45A	5	SHLD A45 P3-109			.20	NO						
						.19	NO			33	BRANCH 5		
A	45B	5	E6 SHLD A45			.19	NO						
						.20	NO						
A	45R		P3-609 P4-328			.19	NO	.34		BRANCH 5 BRANCH 9			
A	45Y		P3-509 P4-428			.19	NO	.34		BRANCH 5 BRANCH 9			
A	46	16		1.00	.75					68 37			
				1.00	.75					68 37			
A	46A	5	SHLD A46 P3-408			.20	NO						
						.19	NO			33	BRANCH 5		
A	46B	5	E7 SHLD A46			.19	NO						
						.20	NO						
SIZE		CODE IDENT NO.	80230	6014506									
SCALE-NONE		REV LTR	S	SHEET 29 OF 119									

WIRING HARNESS A										6014506		S	
WIRE LEAD IDENT	MATERIAL ITEM	LEAD LG	CIRCUIT PT TERM. JKT FROM (A) TO (B)	SHLD NO.	LFAD AREA	STRIP LG	STRIP LG	INS LG	NOTE UNE, TIN FIG	REMARKS ACCESSORY ITEMS			
A	46R		P3-608 P4-334							.19	NO	34	BRANCH 5 BRANCH 9
A	46Y		P3-508 P4-434							.19	NO	34	BRANCH 5 BRANCH 9
A	47	16				1.00	.75				68	37	
						1.00	.75				68	37	
A	47A	5	SHLD A47 P3-108							.20	NO	33	BRANCH 5
A	47B	5	E7 SHLD A47							.19	NO	70	NO
A	47R		P3-308 P4-333							.19	NO	34	BRANCH 5 BRANCH 9
A	47Y		P3-208 P4-433							.19	NO	34	BRANCH 5 BRANCH 9
A	48	16				1.00	.75				68	37	
						1.00	.75				68	37	
A	48A	5	SHLD A48 P3-407							.20	NO	33	BRANCH 5
A	48B	5	E8 SHLD A48							.19	NO	20	NO
A	48R		P3-607 P4-338							.19	NO	34	BRANCH 5 BRANCH 9
A	48Y		P3-507 P4-438							.19	NO	34	BRANCH 5 BRANCH 9
SIZE		CODE IDENT NO.	80230	6014506									
SCALE-NONE		REV LTR	S	SHEET 30 OF 119									

WIRING HARNESS A												6014506	S
LEAD IDENT	WIRE ITEM	MATERIAL	LEAD LG	CIRCUIT PT	TERM TO (A)	JKT AREA NO.	SHLD STRIP LG	SHLD CUT LG	LEAD STRIP LG	INS TIN	NOTE ONE, FIG	REMARKS	ACCESSORY ITEMS
A 49	16					1.00	.75			68	37		
						1.00	.75			68	37		
A 49A	5			SHLD A49	P3-107				.20 NO				
									.19 NO		33		BRANCH 5
A 49B	5			E8					.19 NO				
				SHLD A49					.20 NO				
A 49R				P3-307					.19 NO		34		BRANCH 5
				P4-337					.19 NO		34		BRANCH 9
A 49Y				P3-207					.19 NO		34		BRANCH 5
				P4-437					.19 NO		34		BRANCH 9
A 50	16					1.00	.75			68	37		
						1.00	.75			68	37		
A 50A	5			SHLD A50	P3-406				.20 NO				
									.19 NO		33		BRANCH 5
A 50B	5			E7					.19 NO				
				SHLD A50					.20 NO				
A 50R				P3-606					.19 NO		34		BRANCH 5
				P4-336					.19 NC		34		BRANCH 9
A 50Y				P3-506					.19 NO		34		BRANCH 5
				P4-436					.19 NO		34		BRANCH 9
A 51	16					1.00	.75			68	37		
						1.00	.75			68	37		
A 51A	5			SHLD A51	P3-106				.20 NO				
									.19 NO		33		BRANCH 5
SIZE		CODE IDENT NO.			6014506								
A		80230			6014506								
S. ALL-NONE				REV LTR			S			SHEET		31 OF 119	

WIRING HARNESS A										6014506		
WIRE LEAD IDENT	MATERIAL ITEM	CIRCUIT LEAD LG	TERM.Kit TO	TERM.Kit ID	AREA LG	STRIP LG	SHLD LG	LLAD LG	INS LG	NOTE LINE, FIG.	ACCESSIONY ITEMS	REMARKS
A	51B	5	E7						.19 NU			
			SHLD	A51					.20 NU			
A	51R		P3-306						.19 NU	34		BRANCH 5
			P4-335						.19 NU	34		BRANCH 9
A	51Y		P3-206						.19 NU	34		BRANCH 5
			P4-635						.19 NU	34		BRANCH 9
A	52	4	P3-213						.19 NU	34		O, BRANCH 5
			P4-624						.19 NU	34		BRANCH 8
A	53	4	P3-313						.19 NO	34		O, BRANCH 5
			P4-525						.19 NO	34		BRANCH 8
A	54	16			1.00	.75				68	37	
					1.00	.75				68	37	
A	54A	5	SHLD	A54					.20 NU			
			P3-405						.19 NU	33		BRANCH 5
A	54B	5	E10						.19 NU			
			SHLD	A54					.20 NU			
A	54R		P3-605						.19 NU	34		BRANCH 5
			P4-146						.19 NU	34		BRANCH 10
A	54Y		P3-505						.19 NU	34		BRANCH 5
			P4-246						.19 NU	34		BRANCH 10
A	55	16			1.00	.75				68	37	
					1.00	.75				68	37	
A	55A	5	SHLD	A55					.20 NU			
			P3-105						.19 NU	33		BRANCH 5
←												
SIZE		CODE IDENT NO. 80230		6014506								
A												
SCALE-NONE				REV LTR		5		SHEET		32 OF 119		

WIRING HARNESS A										6014506	S					
LEAD IDENT	WIRE ITEM	LEAD MATL	CIRCUIT PT	TERM. NO.	JKT AREA	SHLD STRIP	LEAD STRIP	INS CUT	NOTE ONE, FIG.	ACCESSORY ITEMS	REMARKS					
											ITEM LG	FROM (A)	TO (B)	LG	LG	LG
A	55B	5	E10 SHLD A55					.19 NO .20 NO								
A	55H		P3-305 P4-145					.19 NU .19 NO	34 34		BRANCH 5 BRANCH 10					
A	55Y		P3-205 P4-245					.19 NU .19 NU	34 34		BRANCH 5 BRANCH 10					
A	56	16				1.00	.75			68	37					
						1.00	.75			68	37					
A	56A	5	SHLD A56 P3-404					.20 NO .19 NO		33		BRANCH 5				
A	56B	5	E10 SHLD A56					.19 NO .20 NU								
A	56R		P3-604 P4-144					.19 NU .19 NO	34 34		BRANCH 5 BRANCH 10					
A	56Y		P3-504 P4-244					.19 NU .19 NO	34 34		BRANCH 5 BRANCH 10					
A	57	16				1.00	.75			68	37					
						1.00	.75			68	37					
A	57A	5	SHLD A57 P3-104					.20 NO .19 NO		33		BRANCH 5				
A	57B	5	E8 SHLD A57					.19 NO .20 NO								
A	57R		P3-304 P4-143					.19 NO .19 NO	34 34		BRANCH 5 BRANCH 10					

APPLICATION		REVISIONS			
NEXT ASST	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
		K	ADDED CONFIGURATION AND CHAD PER TDRR 24805		
		L	Revised per TDRR 25306	7 APR 66	JW.M
		M	REVISED PER TDRR 28014	19 APR 66	LK
(M)		N	REVISED PER TDRR 28015	26 APR 66	JJJ
		P	REVISED PER TDRR 28846	20 MAY 66	PHG
		R	REVISED PER TDRR 28847	24 MAY 66	PHG
		S	REVISED PER TDRR 28848	1 JUNE 66	\$
					JAC

MIT INSTRUMENTATION LAB CAMBRIDGE MASS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DWG NO.	CONTRACT
DRAWN <u>Jenquin</u>	DATE <u>7 Nov. 65</u>
CHECKED <u>W. Diehl</u>	<u>13 Dec 65</u>
APPROVAL <u>E. Peterson</u>	13 Dec 65
APPROVAL <u>J. J. Kline</u>	Scanned Dec 20 65
G & N INTERCONNECT HARNESS "B" (LEM)	

G&N INTERCONNECT HARNESS "B"
(LEM)

NASA APPROVAL	A. C. MANGER <i>W. H. G. 21 Dec 65</i>	CODE IDENT NO.	SIZE	6014507	REV
MIT APPROVAL		80230	A		S
CONTRACT	NAS9-497	SCALE	NONE		SHEET 1 OF 42

NOTE GENERAL NOTES

NUMBER DESCRIPTION

- 1 SHIELDED TERMINATION FIGURES ARE PER ND1002071 FOR FIGURE 6B AND ND1002032 FOR FIGURE 7.
- 2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
- 3 INTERCONNECT LIST FOR THIS HARNESS IS 6014505.
- 4 PARTIAL CIRCUIT POINTS ARE SHOWN. PREFIX WITH UNIT NUMBER 56 FOR COMPLETE CIRCUIT POINT.
- 5 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELDED LEAD, COLOR OR MARKED LETTER
 - A - SHIELDED LEAD ON FROM END
 - B - SHIELDED LEAD ON TO END
 - G - GREEN
 - K - BLACK
 - L - BLUE
 - N - BROWN
 - R - RED
 - W - WHITE
 - Y - YELLOW
- 6 ASTERISK DENOTES LOWER CASE LETTER.
- 7 GRID MODULE ON PICTURE SHEET IS 1 INCH TRUE POSITION.
- 8 UNLESS OTHERWISE SPECIFIED, FEATURE CENTER LINES ON PICTURE SHEET ARE LOCATED WITHIN $\pm .25$. ENDS OF HOOKUP WIRES OR ACCESSORIES ARE LOCATED WITHIN $\pm .12$.
- 9 VENDOR ITEM-SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING
- 10 CRIMP CONTACTS PER ND1002032.

SIZE	CODE IDENT NO. 80230	6014507		
A		SC	E	ONE
REV LTR	R	SHEET	2	OF 42

MIL-2084 R-45

NOTE GENERAL NOTES

NUMBER DESCRIPTION

- 20 CONTINUITY TEST PER CONDUCTOR CHART. RESISTANCE SHALL BE LESS THAN 1/2 OHM, EXCEPT FOR CONDUCTORS USING ITEM NUMBER 10. THESE SHALL BE LESS THAN 2 OHMS. TEST PER MIL-STD-202, METHOD 303.
- 21 INSULATION RESISTANCE SHALL BE GREATER THAN 100 MEGOHMS WITH 500 VDC APPLIED BETWEEN
 - A. THE ASSEMBLY PINS AND STRUCTURE GROUND, EXCEPT THOSE PINS ELECTRICALLY CONNECTED TO STRUCTURE GROUND.
 - B. EACH PIN AND ALL OTHER PINS NOT ELECTRICALLY CONNECTED, INCLUDING ALL SPARE PINS.
 TEST PER MIL-STD-202, METHOD 302, EXCEPT ELECTRIFICATION TIME NOT APPLICABLE.
- 22 DELETED
- 23 ENCAPSULATE BACK OF CONNECTORS AND JUNCTION BOX ASSY PER ND1002236 USING ITEMS 46 AND 55.
- 24 CONDUCTORS SHALL ENTER CONNECTOR 56P19 THROUGH THE BRANCH SPECIFIED IN THE REMARKS COLUMN.
- 25 PERFORM WORKMANSHIP VIBRATION
 - A. SINUSOIDAL SWEEP AT 3.5 G RMS. LIMITED TO 0.3 INCH PEAK TO PEAK DISPLACEMENT, FROM 10 TO 2000 CPS AT A RATE OF 4 OCTAVES PER MINUTE.
 - B. VIBRATION ALONG THE X AXIS OF THE SPACE CRAFT.
 - C. MONITOR FOR DISCONTINUITIES OF 100 SECONDS OR GREATER DURING VIBRATION.
 - D. COMPLETE CONTINUITY AND INSULATION RESISTANCE TESTING MUST BE ACCOMPLISHED AFTER VIBRATION.

SIZE	CODE IDENT NO. 80230	6014507		
A		SC	E	ONE
REV LTR	R	SHEET	4	OF 42

MIL-2084 R-45

NOTE GENERAL NOTES

NUMBER DESCRIPTION

- 11 ALL UNUSED CONTACT CAVITIES SHALL BE FILLED WITH A CONTACT AND/OR SEALING PLUGS AS FOLLOWS
 - CONNECTOR 56P15, 16 AND 18 USE ITEM NUMBERS 21 AND 27
 - CONNECTOR 56P17 USE ITEM NUMBERS 23 AND 51
 - CONNECTOR 56P19 USE ITEM NUMBER 25
 - CONNECTORS 56P20 AND 21 USE ITEM NUMBERS 24 AND 28
 - CONNECTOR 56J1 USE ITEM NUMBERS 22 AND 27
- 12 LACE HARNESS PER ND1002032 USING, ITEM NUMBER 43.
- 13 APPLY BONDING MATERIAL PER ND1002187, TYPE 1, USING ITEMS 56 AND 57 TO THE THREADED PORTION OF CONNECTOR AND TO THE THREADED PORTION OF THE ADAPTER PRIOR TO ASSEMBLY.
- 14 ALL SHIELDED TERMINATIONS SHALL BE LOCATED BELOW REFERENCE LINE A. THERE SHALL BE NO EXPOSED CONDUCTORS OR ACCESSORIES AT THE SURFACE OF THE POTTING COMPOUND.
- 15 BEFORE LACING HARNESS, APPLY 2 TURNS OF TAPE ITEM 45 TO INDICATE CABLE CLAMP LOCATION.
- 16 WRAP TAPE AROUND HARNESS IN AREA SHOWN, AS REQUIRED, TO BUILD UP DIAMETER TO FIT SHELL HOLE.
- 17 MARK CONNECTOR WITH REFERENCE DESIGNATION AS SHOWN .12 HIGH, BLACK, PER ND1002019. CENTRALIZE.
- 18 DELETED
- 19 MARK CHARACTERS .12 HIGH, BLACK, PER ND1002019. SERIALIZED PER ND1002033.

SIZE	CODE IDENT NO. 80230	6014507		
A		SC	E	ONE
REV LTR	S	SHEET	3	OF 42

MIL-2084 R-45

NOTE GENERAL NOTES

NUMBER DESCRIPTION

- 26 ASSEMBLE INSULATION SLEEVE ITEM 64 OVER EACH ELECTRICALLY CONNECTED PIN OF CONNECTOR P19. POSITION SLEEVING FLUSH TO TOP OF NYLON INSULATOR.

LEAD TOLERANCE CHART

LEAD	JKT	SHIELD	LEAD	INS
LG	STRIP	LG	CUT	STRIP
UNDER 3 INCHES	$\pm .12\text{-}00$	$\pm .06\text{-}06$	$\pm .06\text{-}06$	$\pm .06\text{-}06$
3 INCH TO 3 FT	$\pm .50\text{-}00$	$\pm .25\text{-}25$	$\pm .25\text{-}25$	$\pm .25\text{-}25$
3 FT TO 10 FT	$\pm 1.00\text{-}00$			
10 FT AND OVER	$\pm 2.00\text{-}00$			

SIZE	CODE IDENT NO. 80230	6014507		
A		SC	E	ONE
REV LTR	R	SHEET	5	OF 42

MIL-2084 R-45

WIRING HARNESS B

6014507

R

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
1	1	1	6014507-001	WIRE PER 1010789-006, 22AWG, YEL, 10 FT TOT LG
2	1	1	6014507-002	WIRE PER 1010789-001, 24AWG, YEL, 15 FT TOT LG
3	1	1	6014507-003	WIRE PER 1010789-016, 26AWG, YEL, 15 FT TOT LG
4	1	1	6014507-004	WIRE PER 1010789-008, 22AWG, YEL, RED, 55 FT TOTAL LG
5	1	1	6014507-005	WIRE PER 1010789-003, 24AWG, YEL, RED, 15 FT TOTAL LG
6	1	1	6014507-006	WIRE PER 1010789-017, 26AWG, YEL, RED, 20 FT TOT LG
7	1	1	6014507-007	WIRE PER 1010789-012, YEL JKT, 24AWG YEL,RED, 10 FT TOT LG
8	1	1	6014507-008	WIRE PER 1010789-015, YEL JKT, 26AWG YEL RED, 90 FT TOT LG
9	1	1	6014507-009	WIRE PER 1010789-009, 22AWG YEL, RED, GRN, 10 FT TOT LG
10	1	1	6014507-010	WIRE PER 1010707-1, RED JKT, 29AWG RED WHT BLU 15 FT TOT LG
11	1	1	6014507-011	WIRE PER 1010789-005 24AWG, YEL RED GRN BRN 5 FT TOT LG
12	1	1	6014507-012	WIRE PER 1010789-002, 24AWG BLK 80 FT TOT LG
9	13	1	1010929-103	CONNECTOR PLUG ELECTRICAL
9	14	1	1010929-104	CONNECTOR PLUG ELECTRICAL

SIZE	CODE IDENT NO.	80230	6014507
A			

SCALE-NONE REV LTR R SHEET 6 OF 42

MIL-2104 9-65

WIRING HARNESS B

6014507

S

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
33	2	2014670- 4		ADAPTER, SUBMINIATURE CONN.
34	1	2014670- 6		ADAPTER, SUBMINIATURE CONN.
35	1	2014670- 7		ADAPTER, SUBMINIATURE CONN.
36	1	2014670- 9		ADAPTER, SUBMINIATURE CONN.
42		1010811-002		DELETED
9	43	AK	1012507-004	TAPE, LACING
44	AR	MIL-T-23594		TAPE, TEFLON, TYPE II, 1 INCH WIDE
45	AR	MIL-T-23595		TAPE, TEFLON, TYPE II .25 INCH WIDE
9	46	AR	1012503	COMPOUND, POTTING, POLYURETHANE
9	47	16	1010862	BUSHING, SLEEVE
9	48	1	1010945- 1	REDUCER, SPLICE
9	49	1	1012534- 95	INSULATION SLEEVING ELECTRICAL HEAT SHRINK
50	1	2014670- 1		ADAPTER SUBMINIATURE CONN.
9	51	7	1010938- 2	PLUG PROTECTIVE, SEALING
52	1	6010654		JUNCTION BOX ASSEMBLY
53		1006277		DELETED
54		1008822		DELETED
9	55	AK	1012504	PRIMER, METAL PARTS

SIZE	CODE IDENT NO.	80230	6014507
A			

SCALE-NONE REV LTR S SHEET 8 OF 42

WIRING HARNESS B

6014507

R

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
9	15	1	1010929-109	CONNECTOR PLUG ELECTRICAL
9	16	1	1010930-014	CONNECTOR RECEPTACLE ELECTRICAL
9	17	1	1010947-105	CONNECTOR PLUG ELECTRICAL
9	18	1	1010965-001	CONNECTOR PLUG ELECTRICAL
9	19	1	1010965-002	CONNECTOR PLUG ELECTRICAL
20	1	6014535-011		CONNECTOR ASSEMBLY ELECTRICAL
9	21	X	1010770- 1	CONTACTS SUPPLIED WITH CONNECTOR 1010929
9	22	X	1010770- 2	CONTACTS SUPPLIED WITH CONNECTOR 1010930
23	X	1010964-001		CONTACTS SUPPLIED WITH CONNECTOR 1010947
9	24	122	1010781- 1	CONTACT, SOCKET
9	25	109	1010955-001	CONTACT, ELECTRICAL MINIATURE, MALE
9	26	63	1010955-002	CONTACT, ELECTRICAL MINIATURE, MALE
9	27	78	1010958-001	PLUG PROTECTIVE SEALING
9	28	24	1010984	PLUG PROTECTIVE SEALING
9	29	74	1010402- 2	SLEEVE, SOLDER
9	30	21	1010490-110	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
9	31	6	1010490-112	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
9	32	18	1010979- 2	PIN, TAPER

SIZE	CODE IDENT NO.	80230	6014507
A			

SCALE-NONE REV LTR R SHEET 7 OF 42

WIRING HARNESS B

6014507

S

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
9	56	AR	1010661	EPOXY RESIN
9	57	AR	1010679	ADHESIVE ACTIVATOR
58	1	6014507- 13		WIRE PER 1010789-011, 24AWG, YEL, YEL JKT, 5 FT TOT LG.
59	1	2014670- 14		ADAPTER, CONNECTOR
60	1	2021203		TERMINAL LUG, SOLDER
61	1	MS35333-69		WASHER, LOCK
9	62	1	1006783- 93	SCREW, BUTTON HD
9	63	5	1010763- 2	SLEEVE, SOLDER
64	119	1010490-114		INSULATION SLEEVING (HEAT SHRINKABLE)
65	AR	SN 60 WRAP 2		SOLDER QQ-S-571
66	AR	SN 60 SW		SOLDER QQ-S-571
67	AR	MIL-F-14256 TYPE A		FLUX

SIZE	CODE IDENT NO.	80230	6014507
A			

SCALE-NONE REV LTR S SHEET 9 OF 42

MIL-2104 9-65

WIRING HARNESS B											6014507	R	
L/FAD	WIRE IDENT	ITEM	LEAD LG	CIRCUIT PT FROM (A)	TERM. JKT AREA NO.	SHLD STRIP LG	LEAD STRIP LG	CUT	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	1	7				1.75 1.00	1.50 .75				6B 6B	29 29	
B	1A	12		SHLD B1 P18-17					.20 NO .13 NO			21	
B	1B	12		P19-A12 SHLD B1					.19 NO .20 NO		25		2
B	1C			P18-16 P19-A10					.13 NO .19 NO		21 25		1
B	1Y			P18-33 P19-A11					.13 NO .19 NO		21 25		2
B	2	8				1.75 1.00	1.50 .75				6B 6B	29 29	
B	2A	12		SHLD B2 P18-9					.20 NO .13 NO			21	
B	2B	12		P19-A6 SHLD B2					.19 NO .20 NO		25		1
B	2R			P18-22 P19-A4					.13 NO .19 NO		21 26		1
B	2Y			P18-21 P19-A5					.13 NO .19 NO		21 26		1
B	3	8				1.75 1.00	1.50 .75				6B 6B	29 29	
B	3A	12		SHLD B3 P18-24					.20 NO .13 NO			21	
SIZE A		CODE IDENT NO. 80230		6014507									
SCALE-NONE		REV LTR		R		SHEET		10 OF 42					

WIRING HARNESS B											6014507	R
LEAD IDENT	WIRE ITEM	LEAD LG	CIRCUIT PT FROM (A)	TERM. NO.	JKT. AREA	SHLD LG	LEAD LG	INS LG	NOTE UNE, TIN	ACCESSORY ITEMS	REMARKS BRANCH	
B	3B	12	P19-86 SHLD B3					.19 ND .20 ND		25	1	
B	3R		P18-10 P19-B4					.13 ND .19 ND		21 26	1	
B	3Y		P18-23 P19-B5					.13 ND .19 ND		21 26	1	
B	4	8			1.75 1.00	1.50 .75			6B 6B	29 29		
B	4A	12	SHLD B4 P18-26					.20 ND .13 ND				
B	4B	12	P19-C6 SHLD B4					.19 ND .20 ND		25	1	
B	4R		P18-11 P19-C4					.13 ND .19 ND		21 26	1	
B	4Y		P18-25 P19-C5					.13 ND .19 ND		21 26	1	
B	5	8			1.75 1.00	1.50 .75			6B 6B	29 29		
B	5A	12	SHLD B5 P18-13					.20 ND .13 ND				
B	5B	12	P19-D6 SHLD B5					.19 ND .20 ND		25	1	
B	5R		P18-12 P19-D4					.13 ND .19 ND		21 26	1	
			SIZE		CODE IDENT NO. 80230		6014507					
			A									
			SCALE-NONE		REV LTR		R					
			SHEET		11 OF 42							

WIRING HARNESS B											6014507	R
LEAD IDENT	WIRE MATERIAL	LEAD ITEM	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	SHLD STRIP LG	LEAD STRIP LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS BRANCH		
B	SY		P18-27 P19-05					.13 ND .19 ND	21 26	1		
B	6	8			1.75 1.00	1.50 .75			6B 6B	29 29		
B	6A	12	SHLD B6 P18-30					.20 ND .13 ND		21		
B	6B	12	P19-F6 SHLD B6					.19 ND .20 ND		25	1	
B	6R		P18-14 P19-F4					.13 ND .19 ND	21 26	1		
B	6Y		P18-29 P19-F5					.13 ND .19 ND	21 26	1		
B	7	8			1.75 1.00	1.50 .75			6B 6B	29 29		
B	7A	12	SHLD B7 P18-32					.20 ND .13 ND		21		
3	7B	12	P19-G6 SHLD B7					.19 ND .20 ND		25	1	
B	7R		P18-15 P19-G4					.13 ND .19 ND	21 26	1		
B	7Y		P18-31 P19-G5					.13 ND .19 ND	21 26	1		
B	8	8			1.75 1.00	1.50 .75			6B 6B	29 29		

WIRING HARNESS B											6014507	R
WIRE IDENT	MATERIAL ITEM	LEAD ITEM	CIRCUIT FROM (A)	PT NO.	TERM. LG	JKT STRIP	SHLD STRIP	LEAD CUT	INS LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	8A	12	SHLD	BB				.20	NO			
			P18-38					.13	NO		21	
B	8B	12	P19-F13					.19	NO		25	2
			SHLD	BB				.20	ND			
B	8R		P18-63					.13	NO		21	
			P19-G13					.19	NO		26	2
B	8Y		P18-62					.13	NO		21	
			P19-D13					.19	NO		26	2
B	9	4										
B	9R		P17-E*					.19	NO			
			P19-A24					.19	NO		25	2
B	9Y		P17-I*					.19	NO			
			P19-A23					.19	NO		25	2
B	10	4										
B	10R		P17-F*					.19	NO			
			P19-B26					.19	NO		25	2
B	10Y		P17-G*					.19	NO			
			P19-B25					.19	NO		25	2
B	11	4										
B	11R		P17-Y					.19	NO			
			P19-C26					.19	NO		25	2

WIRING HARNESS B

6014507 R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD LG	LEAD STRIP CUT	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B 11Y			P17-Z P19-G25				.19 NO			
							.19 NO		25	2
B 12	1		P17-A P19-B24				.19 NO		23	
							.19 NO		25	2
H 13	1		P19-B23 P17-X				.19 NO		25	
							.19 NO		23	2
B 14	6									
B 14K			P18-81 P19-G22				.13 NO		21	
							.19 NO		26	2
B 14Y			P18-56 P19-F22				.13 NO		21	
							.19 NO		26	2
B 15	6									
B 15R			P18-2 P19-H21				.13 NO		21	
							.19 NO		26	2
B 15Y			P18-1 P19-B20				.13 NO		21	
							.19 NO		26	2
B 16	6									
B 16R			P18-3 P19-D21				.13 NO		21	
							.19 NO		26	2
B 16Y			P18-4 P19-D20				.13 NO		21	
							.19 NO		26	2

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR	R
SHEET	14 OF 42	

WIRING HARNESS B

6014507 R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD LG	LEAD STRIP CUT	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B 17	6									
B 17R			P18-5 P19-G21					.13 NU		21
								.19 NO		26
B 17Y			P18-6 P19-G20					.13 NU		21
								.19 NO		26
B 18	7									
								1.75 1.50		
							1.00 .75			
									68	29
									68	29
B 18A	12		SHLD B18 P18-36							
									.20 NO	
									.13 NO	21
B 18B	12		P19-C12 SHLD B18							
									.19 NO	25
									.20 NO	
B 18R			P18-18 P19-C10							
									.13 NU	21
									.19 NO	25
B 18Y			P18-35 P19-C11							
									.13 NO	21
									.19 NO	25
B 19	7									
									1.75 1.50	
								1.00 .75		
									68	29
									68	29
B 19A	12		SHLD B19 P18-20							
									.20 NO	
									.13 NO	21
B 19B	12		P19-B12 SHLD B19							
									.19 NO	25
									.20 NO	
B 19R			P18-19 P19-B10							
									.13 NU	21
									.19 NO	25

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR	R
SHEET	15 OF 42	

WIRING HARNESS B

6014507 R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD LG	LEAD STRIP CUT	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B 19Y			P18-37 P19-B11							
								.13 NO	21	
								.19 NO	25	2
B 20	5									
B 20R			P18-85 P19-A21					.13 NO		
								.19 NO	25	2
B 20Y			P18-61 P19-A20					.13 NO		
								.19 NO	25	2
B 21	5									
B 21R			P18-84 P19-C21					.13 NO		
								.19 NO	25	2
B 21Y			P18-59 P19-C20					.13 NO		
								.19 NO	25	2
B 22	5									
B 22R			P18-82 P19-F21					.13 NO		
								.19 NO	25	2
B 22Y			P18-58 P19-F20					.13 NO		
								.19 NO	25	2
B 23	8									
								1.00 .75		
								1.75 1.50		
									68	29
									7	30
B 23A	12		SHLD B23 P19-B3							
									.20 NO	
									.19 NO	25
										1

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR	R
SHEET	16 OF 42	

WIRING HARNESS B

6014507 R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD LG	LEAD STRIP CUT	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B 23R			P19-B1 P20-7							
									.19 NU	26
B 23Y			P19-B2 P20-6						.13 NO	24
									.19 NO	
B 24	8									
									1.00 .75	
									1.75 1.50	
										68
										29
B 24A	12		SHLD B24 P19-C3							
									.20 NO	
									.19 NO	25
B 24R			P19-C1 P20-18							
									.19 NO	26
B 24Y			P19-C2 P20-17							
									.19 NO	24
B 25	8									
									1.00 .75	
									1.75 1.50	
										68
										30
B 25A	12		SHLD B25 P19-D3							
									.20 NO	
									.19 NO	25
B 25R			P19-D1 P20-36							
									.19 NO	26
B 25Y			P19-D2 P20-35							
									.19 NO	24
B 26	10									
									1.00 .75	
									1.75 1.50	
										68
										31
B 26A	12		SHLD B26 P19-B17							
									.20 NO	
									.19 NO	25

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR	R
SHEET	17 OF 42	

WIRING HARNESS B												6014507	R
LEAD IDENT	WIRE ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	AREA STRIP LG	SHLD STRIP LG	CUT LG	LEAD STRIP LG	INS TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH	
B	28W		P19-D19 P20-60						.19 NO .13 NO	26 24, 47		2	
3	29	8			1.75 1.00	1.50 .75				68 68	29 29		
B	29A	12	SHLD 829 P18-42						.20 NO .13 NO		21		
B	29B	12	P19-G12 SHLD 829						.19 NO .20 NO	25		2	
B	29R		P18-41 P19-G10						.13 NO .19 NO	21 26		1	
B	29Y		P18-66 P19-G11						.13 NO .19 NO	21 26		2	
B	30	8			1.75 1.00	1.50 .75				68 68	29 29		
B	30A	12	SHLD 830 P18-71						.20 NO .13 NO		21		
B	30B	12	P19-A9 SHLD 830						.19 NO .20 NO	25		1	
B	30R		P18-46 P19-A7						.13 NO .19 NO	21 26		1	
B	30Y		P18-70 P19-A8						.13 NO .19 NO	21 26		1	
B	31	8			1.75 1.00	1.50 .75				68 68	29 29		
←													
				SIZE A	CODE IDENT NO. 80230								

WIRING HARNESS B											6014507	
LEAD IDENT	WIRE MATERIAL	LEAD ITEM	CIRCUIT NO.	PT FROM (A) TO (B)	TERM.	JKT	SHLD	LEAD	INS	NOTE	REMARKS ITEMS	R BRANCH
					AREA	STRIP	STRIP	CUT	STRIP	ONE, TIN		
B	33R		P18-64						.13	NO	21	
			P19-D?						.19	ND	26	1
B	33Y		P18-65						.13	ND	21	
			P19-D8						.19	ND	26	1
B	34	8			1.75	1.50				6B	29	
					1.00	.75				6B	29	
B	34A	12	SHLD	B34					.20	ND		
			P18-52						.13	NO	21	
B	34B	12	P19-F9						.19	ND	25	
			SHLD B34						.20	ND		
B	34R		P18-77						.13	ND	21	
			P19-F7						.19	ND	26	1
B	34Y		P18-76						.13	NO	21	
			P19-F8						.19	ND	26	1
B	35	8			1.75	1.50				6B	29	
					1.00	.75				6B	29	
B	35A	12	SHLD	B35					.20	ND		
			P18-54						.13	NO	21	
B	35B	12	P19-G9						.19	ND	25	
			SHLD B35						.20	ND		
B	35R		P18-53						.13	NO	21	
			P19-G7						.19	ND	26	1
B	35Y		P18-78						.13	NO	21	
			P19-G8						.19	ND	26	1

WIRING HARNESS B

6014507

R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD AREA STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	36	8		1.75	1.50			6B	29		
				1.00	.75			6B	29		
B	36A	12	SHLD B36 P18-68			.20	NO				
						.13	NO		21		
B	36B	12	P19-F12 SHLD B36			.19	NO		25	2	
						.20	NO				
B	36R		P18-43 P19-F10			.13	NO		21		
						.19	NO		26	1	
B	36Y		P18-67 P19-F11			.13	NO		21		
						.19	NO		26	2	
B	37	8		1.75	1.50			6B	29		
				1.00	.75			6B	29		
B	37A	12	SHLD B37 P18-45			.20	NO				
						.13	NO		21		
B	37R	12	P19-D12 SHLD B37			.19	NO		25	2	
						.20	NO				
B	37R		P18-44 P19-D10			.13	NO		21		
						.19	NO		26	1	
B	37Y		P18-69 P19-D11			.13	NO		21		
						.19	NO		26	2	
B	38	10		1.00	.75			6B	63		
				1.75	1.50			7	31		
B	38A	12	SHLD B38 E3			.20	NO				
						.19	NO				

SIZE
A
CODE IDENT
NO.
80230

6014507

SCALE-NONE

REV LTR

R

SHEET 22 OF 42

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD AREA STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	40W		P19-F16 P20-33			.19	NO		26	2	
						.13	NO		24, 47		
B	41		DELETED								
B	42	1	P21-1 P17-X			.13	NO		24		
B	43	4				.19	NO				
B	43R		P17-M P21-2			.13	NO		24		
B	43Y		P17-B* P21-4			.19	NO				
B	44	4				.13	NO				
B	44R		P17-L P21-3			.19	NO		24		
B	44Y		P17-A* P21-5			.13	NO		24		
B	45	4									
B	45R		J1-2 P21-6			.13	NO		22		
B	45Y		J1-9 P21-8			.13	NO		22		
						.13	NO		24		

SIZE
A
CODE IDENT
NO.
80230

6014507

SCALE-NONE

REV LTR

R

SHEET 24 OF 42

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD AREA STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	38L		NONE							1.00	
			NONE							.75	
B	38R		P19-D16 P20-5							.19	NO
										.13	NO
B	39W		P19-C16 P20-4							.19	NO
										.13	NO
B	39	10								1.00	.75
										1.75	1.50
B	39A	12	SHLD B39 E3							.20	NO
										.25	NO
B	39L		NUNE							1.00	
			NGNE							.75	
B	39R		P19-D14 P20-16							.19	NO
										.13	NO
B	39W		P19-C14 P20-15							.19	NO
										.13	NO
B	40	10								1.00	.75
										1.75	1.50
B	40A	12	SHLD B40 E3							.20	NO
										.25	NO
B	40L		P19-F14 P20-32							.19	NO
										.13	NO
B	40R		P19-F15 P20-34							.19	NO
										.13	NO

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT NO.	SHLD AREA STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	46	4									
B	46R		J1-3 P21-7							.13	NO
										.13	NO
B	46Y		J1-10 P21-9							.13	NO
B	47	9									
B	47G		P17-W P21-12							.19	NO
										.13	NO
B	47R		P17-D P21-10							.19	NO
										.13	NO
B	47Y		P17-E P21-11							.19	NO
										.13	NO
B	48	5									
B	48R		J1-5 P21-14							.13	NO
										.13	NO
B	48Y		J1-15 P21-15							.13	NO
B	49	2								.13	NO
										.13	NO
B	50	5									

SIZE
A
CODE IDENT
NO.
80230

6014507

SCALE-NONE

REV LTR

R

SHEET 25 OF 42

WIRING HARNESS B

6014507

R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM-JKT NO.	SHLD AREA STRIP LG	LEAD STRIP LG	INS CUT LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	50R		J1-13 P21-17			.13	NO	22		
						.13	NO	24		
B	50Y		J1-4 P21-18			.13	NO	22		
						.13	NO	24		
B	51	4								
B	51R		P17-B P21-22			.19	NO	23		
						.13	NO	24		
B	51Y		P17-V P21-21			.19	NO			
						.13	NO	24		
B	52	4								
B	52R		P17-S P20-8			.19	NU	23		
						.13	NO	24		
B	52Y		P17-T P20-9			.19	NO	23		
						.13	NO	24		
B	53	4								
B	53R		P16-60 P20-10			.13	NO	21		
						.13	NO	24		
B	53Y		P16-61 P20-11			.13	NO	21		
						.13	NO	24		
B	54		DELETED							

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR	R

6014507

SHEET 26 OF 42

MIL-2044-45

WIRING HARNESS B

6014507

R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM-JKT NO.	SHLD AREA STRIP LG	LEAD STRIP LG	INS CUT LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	54G		DELETED							
B	54N		DELETED							
B	54R		DELETED							
B	54Y		DELETED							
B	55	4								
B	55R		P17-E* P20-38					.19 NO		
								.13 NO	24	
B	55Y		P17-H* P20-37					.19 NO		
								.13 NO	24	
B	56	4								
B	56R		P17-P P21-27					.19 NO		
								.13 NO	24	
B	56Y		P17-R P21-28					.19 NO		
								.13 NO	24	
B	57	8						1.75 1.50		
								1.75 1.50		
								68	29	
								7	30	
B	57A	12	SHLD 857 P16-15					.20 NO		
								.13 NO	21	

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR	R

6014507

SHEET 27 OF 42

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM-JKT NO.	SHLD AREA STRIP LG	LEAD STRIP LG	INS CUT LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	57R		P16-5 P21-33			.13	NO	21		
						.13	NO	24		
B	57Y		P16-14 P21-34			.13	NO	21		
						.13	NO	24		
B	58	8						68	29	
								7	30	
B	58A	12	SHLD 858 P16-6			.20	NO			
						.13	NO	21		
B	58R		P16-17 P21-35			.13	NO	21		
						.13	NO	24		
B	58Y		P16-16 P21-36			.13	NO	21		
						.13	NO	24		
B	59	8						7	30	
								68	29	
B	59B	12	TB2-A1 SHLD 859			.25	NO			
						.20	NO			
B	59R		P21-37 TB2-B1			.13	NO	24		
						.25	NO			
B	59Y		P21-38 TB2-C1			.13	NO	24		
						.25	NO			
B	60	8						7	30	
								68	29	
B	60B	12	TB2-A2 SHLD 860			.25	NO			
						.20	NO			

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR	R

6014507

SHEET 28 OF 42

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM-JKT NO.	SHLD AREA STRIP LG	LEAD STRIP LG	INS CUT LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	60R		P21-39 TB2-B2					.13 NO	24	
B	60Y		P21-40 TB2-C2					.13 NO	24	
B	61	8						1.75 1.50		
								1.75 1.50		
								68	29	
B	61A	12	SHLD 861 P16-23					.20 NO		
								.13 NO	21	
B	61R		P16-9 P21-41					.13 NO	24	
B	61Y		P16-22 P21-42					.13 NO	21	
								.13 NO	24	
B	62	8						1.75 1.50		
								1.75 1.50		
								68	29	
B	62A	12	SHLD 862 P16-11					.20 NO		
								.13 NO	21	
B	62R		P16-10 P21-43					.13 NO	24	
B	62Y		P16-24 P21-44					.13 NO	21	
								.13 NO	24	
B	63	8						1.75 1.50		
								1.25 1.00		
								68	29	
B	63B	12	TB2-A3 SHLD 863					.25 NO		
								.20 NO		

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR	R

6014507

SHEET 29 OF 42

WIRING HARNESS B

6014507

R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	63R		P21-45 TB2-B3				.13 .25	NO		24
H	63Y		P21-46 TB2-C3				.13 .25	NO		24
B	64	8		1.75 1.25	1.50 1.00		7 68	30 29		
B	64B	12	TB2-A4 SHLD B64				.25 .20	NO		
B	64R		P21-47 TB2-B4				.13 .25	NO		24
B	64Y		P21-48 TB2-C4				.13 .25	NO		24
B	65	8		1.75 1.75	1.50 1.50		68 7	29 30		
B	65A	12	SHLD B65 P16-52				.20 .13	NO		21
B	65R		P16-30 P21-51				.13 .13	NO		21
B	65Y		P16-51 P21-52				.13 .13	NO		24
B	66	8		1.75 1.75	1.50 1.50		68 7	29 30		
B	66A	12	SHLD B66 P16-54				.20 .13	NO		21

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR	R
SHEET 30 OF 42		

MIL-2164 R-55

WIRING HARNESS B

6014507

R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	69R		P15-3 TB2-B1				.13 .25	NO		21
B	69Y		P15-10 TB2-C1				.13 .25	NO		21
B	70	8		1.75 1.25	1.50 1.00		7 68	30 29		
B	70B	12	TB2-A2 SHLD B70				.25 .20	NO		
B	70R		P15-12 TB2-B2				.13 .25	NO		21
B	70Y		P15-13 TB2-C2				.13 .25	NO		21
B	71	8		1.75 1.25	1.50 1.00		7 68	30 29		
B	71B	12	TB2-A3 SHLD B71				.25 .20	NO		
B	71R		P15-7 TB2-B3				.13 .25	NO		21
B	71Y		P15-18 TB2-C3				.13 .25	NO		21
B	72	8		1.75 1.25	1.50 1.00		7 68	30 29		
B	72B	12	TB2-A4 SHLD B72				.25 .20	NO		

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR	R
SHEET 32 OF 42		

MIL-2164 R-55

WIRING HARNESS B

6014507

R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	66R		P16-31 P21-53				.13 .13	NO		21
B	66Y		P16-53 P21-54				.13 .13	NO		24
B	67	8					1.75 1.25	1.50 1.00		7 68
B	67B	12	TB2-A5 SHLD B67				.25 .20	NO		
B	67R		P21-55 TB2-B5				.13 .25	NO		24
B	67Y		P21-56 TB2-C5				.13 .25	NO		24
B	68	8					1.75 1.25	1.50 1.00		7 68
B	68B	12	TB2-A6 SHLD B68				.25 .20	NO		
B	68R		P21-57 TB2-B6				.13 .25	NO		24
B	68Y		P21-58 TB2-C6				.13 .25	NO		24
B	69	8					1.75 1.25	1.50 1.00		7 68
B	69B	12	TB2-A1 SHLD B69				.25 .20	NO		

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR	R
SHEET 31 OF 42		

MIL-2164 R-55

WIRING HARNESS B

6014507

R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT NO.	SHLD LG	LEAD LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	72R		P15-8 TB2-B4				.13 .25	NO		21
B	72Y		P15-9 TB2-C4				.13 .25	NO		21
B	73	8					1.75 1.25	1.50 1.00		7 68
B	73B	12	TB2-A5 SHLD B73				.25 .20	NO		
B	73R		P15-5 TB2-B5				.13 .25	NO		21
B	73Y		P15-14 TB2-C5				.13 .25	NO		21
B	74	8					1.75 1.25	1.50 1.00		7 68
B	74B	12	TB2-A6 SHLD B74				.25 .20	NO		
B	74R		P15-16 TB2-B6				.13 .25	NO		21
B	74Y		P15-17 TB2-C6				.13 .25	NO		21
B	75	4								
B	75R		P16-35 P20-40							

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR	R
SHEET 33 OF 42		

MIL-2164 R-55

WIRING HARNESS B

6014507 R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM-JKT NO.	AREA STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	75Y		P16-36 P20-39					.13 NO .13 NO	21 24		
B	76	4									
B	76R		P16-37 P20-42					.13 NO .13 NO	21 24		
B	76Y		P16-38 P20-41					.13 NO .13 NO	21 24		
B	77	4									
B	77R		P16-39 P20-52					.13 NO .13 NO	21 24		
B	77Y		P16-40 P20-51					.13 NO .13 NO	21 24		
B	78	4									
B	78R		P18-7 P19-A22					.13 NO .19 NO	21 25	2	
B	78Y		P18-8 P19-B22					.13 NO .19 NO	21 25	2	
B	82	6									
B	82R		P16-47 P21-29					.13 NO .13 NO	21 24		
SIZE A CODE IDENT NO. 80230				6014507							
SCALE-NONE REV LTR R SHEET 34 OF 42											

MIL-D-28889-R

WIRING HARNESS B

6014507 R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM-JKT NO.	AREA STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	82Y		P16-48 P21-30						.13 NO .13 NO	21 24	
B	83	3	P16-49 P21-26						.13 NO .13 NO	21 24	
B	85	1	P17-L P17-M						.19 NO .19 NO	23 23	
B	87	1	P17-A*P17-B*						.19 NO .19 NO	23 23	
B	89	4									
B	89R		P17-F*P19-A26						.19 NO .19 NO	23 25	2
B	89Y		P17-G*P19-A25						.19 NO .19 NO	23 25	2
B	90	4									
B	90R		P17-Y P19-G26						.19 NO .19 NO	23 25	2
B	90Y		P17-Z P19-G25						.19 NO .19 NO	23 25	2
B	91	4									
B	91R		P17-U P19-F26						.19 NO .19 NO	25	2
SIZE A CODE IDENT NO. 80230				6014507							
SCALE-NONE REV LTR R SHEET 35 OF 42											

MIL-D-28889-R

WIRING HARNESS B

6014507 R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM-JKT NO.	AREA STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	91Y		P17-D*P19-F25					.19 NO .19 NO	25	2	
B	92	4									
B	92R		P17-U P19-D26					.19 NO .19 NO	23 25	2	
B	92Y		P17-D*P19-D25					.19 NO .19 NO	23 25	2	
B	93	6									
B	93R		P16-43 P21-31					.13 NO .13 NO	21 24		
B	93Y		P16-44 P21-32					.13 NO .13 NO	21 24		
B	94	3	P16-45 P21-20					.13 NO .13 NO	21 24		
B	95	2	J1-11 P21-19					.13 NO .13 NO	22 24		
B	98	1	P19-D15 E3					.19 NO .19 NO	25 48, 49	2	
B	99		DELETED								
B	101	8			1.75	1.50	1.25	1.00	68	29	
SIZE A CODE IDENT NO. 80230				6014507							
SCALE-NONE REV LTR R SHEET 36 OF 42											

MIL-D-28889-R

WIRING HARNESS B

6014507 R

WIRE LEAD IDENT	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM-JKT NO.	AREA STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS BRANCH
B	101A	12	SHLD B101 P16-21						.20 NO .13 NO	21	
B	101B	12	T82-A2 SHLD B101						.25 NO .20 NO	32	
B	101R		P16-8 TB2-B2						.13 NO .25 NO	21 32	
B	101Y		P16-20 TB2-C2						.13 NO .25 NO	21 32	
B	102	8						1.75 1.25	1.50 1.00	68	29
B	102A	12	SHLD B102 P16-19							.20 NO .13 NO	21
B	102B	12	T82-A1 SHLD C102							.25 NO .20 NO	32
B	102R		P16-7 TB2-B1							.13 NO .25 NO	21 32
B	102Y		P16-18 TB2-C1							.13 NO .25 NO	21 32
B	103	8						1.75 1.25	1.50 1.00	68	29
B	103A	12	SHLD B103 P16-29							.20 NO .13 NO	21
B	103B	12	T82-A4 SHLD B103							.25 NO .20 NO	32
SIZE A CODE IDENT NO. 80230				6014507							
SCALE-NONE REV LTR R SHEET 37 OF 42											

MIL-D-28889-R

WIRING HARNESS B

6014507 R

WIRE LEAD IDENT ITEM	WIRE MATL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM.JKT AREA STRIP NO.	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS BRANCH
B 103R		P16-13 TB2-B4				.13 ND .25 ND	21 32		
B 103Y		P16-28 TB2-C4				.13 ND .25 ND	21 32		
B 104	8		1.75 1.25	1.50 1.00			68 68	29 29	
B 104A	12	SHLD B104 P16-27				.20 ND .13 ND			
B 104B	12	TB2-A3 SHLD B104				.25 ND .20 ND	32 21		
B 104R		P16-12 TB2-B3				.13 ND .25 ND	21 32		
B 104Y		P16-26 TB2-C3				.13 ND .25 ND	21 32		
B 105	8		1.75 1.25	1.50 1.00			68 68	29 29	
B 105A	12	SHLD B105 P16-57				.20 ND .13 ND			
B 105B	12	TB2-A6 SHLD B105				.25 ND .20 ND	32 21		
B 105R		P16-34 TB2-B6				.13 ND .25 ND	21 32		
B 105Y		P16-56 TB2-C6				.13 ND .25 ND	21 32		

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR R	SHEET 38 OF 42

MIL-2084 9-65

WIRING HARNESS B

6014507 R

WIRE LEAD IDENT ITEM	WIRE MATL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM.JKT AREA STRIP NO.	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS BRANCH
B 106	8					1.75 1.25	1.50 1.00		
B 106A	12		SHLD B106 P16-33						
B 106B	12		TB2-A5 SHLD B106						
B 106P			P16-32 TB2-B5						
B 106Y			P16-55 TB2-C5						
B 107	9								
B 107G			P17-C P21-23						
B 107R			P17-V P21-24						
B 107Y			P17-V P21-25						
B 112	2		J1-12 P17-B*						
B 113	3		P16-46 P20-25						
B 114			DELETED						

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR R	SHEET 39 OF 42

MIL-2084 9-65

WIRING HARNESS B

6014507 R

WIRE LEAD IDENT ITEM	WIRE MATL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM.JKT AREA STRIP NO.	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS BRANCH
B 114G		DELETED							
B 114N		DELETED							
B 114R		DELETED							
B 114Y		DELETED							
B 115		DELETED							
B 115G		DELETED							
B 115N		DELETED							
B 115P		DELETED							
B 115Y		DELETED							
B 116		DELETED							
B 116R		DELETED							
B 116Y		DELETED							

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR R	SHEET 40 OF 42

MIL-2084 9-65

WIRING HARNESS B

6014507 R

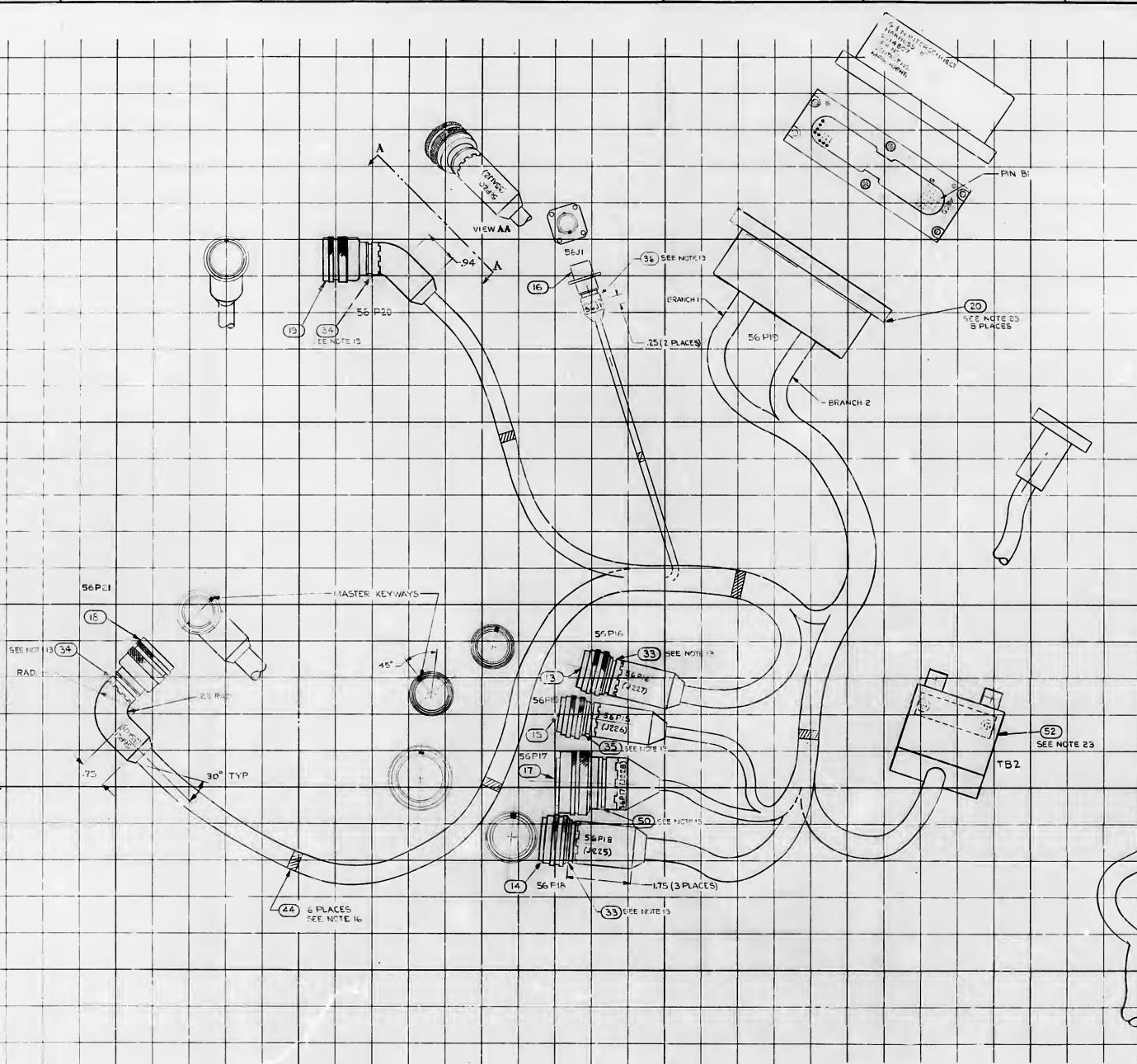
WIRE LEAD IDENT ITEM	WIRE MATL ITEM	CIRCUIT PT LEAD FROM (A) TO (B)	TERM.JKT AREA STRIP NO.	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, TIN FIG	ACCESSORY ITEMS	REMARKS BRANCH
B 117	3	P16-50 P19-C24				.13 ND .19 ND	21 26	2	
B 118	3	P17-E* P21-59				.19 ND .13 ND	23 24		
B 119	58				1.75 1.75	1.50 1.50		68 68	29 29
B 119A	12	SHLD B119 P16-69							
B 119B	12	E40 SHLD B119							
B 119Y		P16-25 P21-13							
B 120	11								
B 120G		P16-4 P20-22							
B 120N		P16-3 P20-21							
B 120R		P16-1 P20-19							
B 120Y		P16-2 P20-20							

SIZE A	CODE IDENT NO. 80230	6014507
SCALE-NONE	REV LTR R	SHEET 41 OF 42

MIL-2084 9-65

REVISIONS
SYNCH DATE APPD
SEE SHEET 1 FOR REVISION RECORD

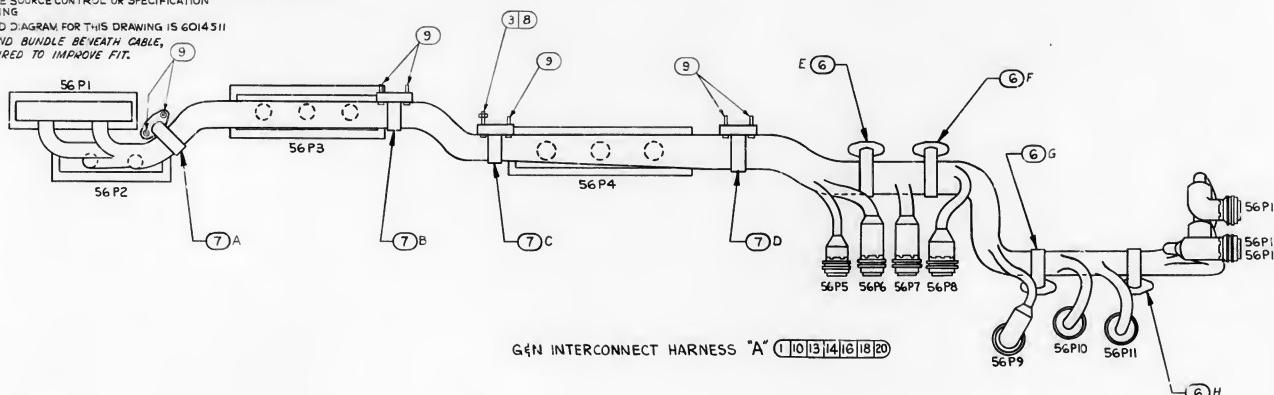
6014507



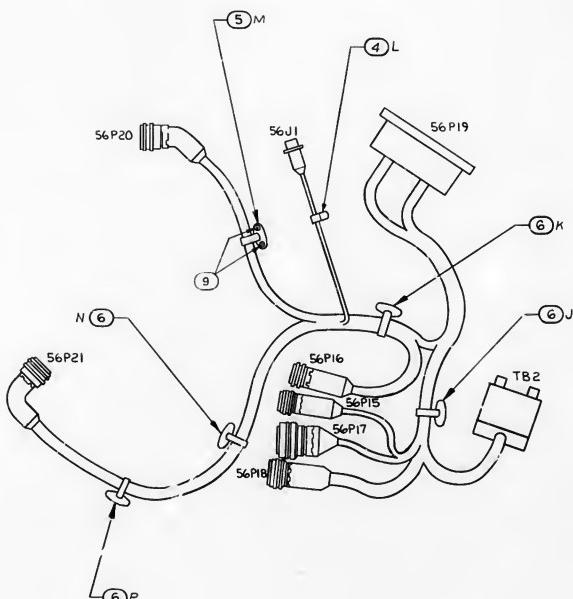
UNLESS OTHERWISE SPECIFIED	MIT INSTRUMENTATION LAB	MANNED SPACECRAFT CENTER
DIMENSIONS ARE IN INCHES	CAMBRIDGE MASS	HOUSTON, TEXAS
CAPACITOR VALUES ARE IN FARADS	DRAWN BY [Signature]	33N INTERCONNECT HARNESS B (LEM)
RESISTOR VALUES ARE IN OHMS	CHECKED BY [Signature]	DRAWING NO.
ANGLES ARE IN DEGREES	APPROVED BY [Signature]	6014507
FRACTIONS, DECIMALS, AND PERCENTAGES ARE TO BE READ AS EIGHTH'S	APPROVED BY [Signature]	SCALE 1/1
DO NOT SCALE THIS DRAWING	APPROVED BY [Signature]	SHEET 1 OF 2
MATERIAL	CODE IDENT. NO.	
NEUT ASSY	90230	E
USED ON		
APPLICATION		

NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
 2. CONFIGURATION VIEW IS FOR REFERENCE ONLY, REPRESENTING HARNESS AS INSTALLED IN SPACECRAFT.
 3. ALPHABETICAL CHARACTERS A, B, C, & ETC. ARE REFERENCE DESIGNATIONS APPLIED TO EACH CLAMP.
 4. CLAMPS SHALL BE SELECTED FROM ITEM CALLED OUT AT CLAMP LOCATION AND BE INDIVIDUALLY IDENTIFIED WITH CORRESPONDING PREFERENCE DESIGNATION.
 5. HARNESS INSTALLATION: EACH CLAMP SHALL BE INSTALLED AT THE LOCATION REFERENCED ON THE CONFIGURATION VIEW.
 6. VENDOR ITEM SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING
 7. INTERCONNECTED DIAGRAM FOR THIS DRAWING IS 6014511
 8. WRAP TAPE AROUND BUNDLE BEYOND CABLE CLAMP AS REQUIRED TO IMPROVE FIT.



GEN INTERCONNECT HARNESS "A" (1 10 13 14 16 18 20)



G&N INTERCONNECT HARNESS "B" 211151719

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			AC ELECTRONICS DIVISION GENERAL MOTORS CORP. DETROIT, MICHIGAN 48201			MANAGED SPACECRAFT CENTER HOUSTON, TEXAS	
3 PLACE 3 PLACE DECIMALS DECIMALS ANGLED			LIFLOW ENGINES TELETRONIC CO.			G-4N INTERCONNECT HARNESS GROUP (LEM)	
- - - * +			CHECKED: <i>[Signature]</i> APPROVED: <i>[Signature]</i>			CONTACT NAS 9-479	
DO NOT SCALE THIS DRAWING MATERIAL			NASA APPROVAL: A. C. MARSHALL APPROVAL: <i>[Signature]</i>			SERIAL NO.: 99974	CODE SHEET NO.: E
THE ASSEMBLY NUMBER PULLY IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES			NET APPROVAL: <i>[Signature]</i>			6014515	
APPLICABLE DASH NO.	NEXT ASSY	USED ON				SCALE: 1 : 1	INCHES 1 OF 1
APPLICATION							

APOLLO G & N
EQUIPMENT TEST
DATA SHEET 1 OF 5



JOB CDU COUNTERS TEST

<u>ASSEMBLY UNDER TEST</u>		<u>TEST HISTORY</u>						
<u>TITLE</u>	<u>SER. NO.</u>	<u>DWG</u>	<u>REV.</u>	<u>DATE</u>	<u>TIME</u>	<u>START</u>	<u>END</u>	<u>SITE / LOCATION</u>
				<u>TIME</u>	<u>START</u>	<u>END</u>	<u>TOTAL ELAPSED</u>	
<u>MAJOR GROUND SUPPORT EQUIPMENT</u>								
<u>NAME</u>	<u>NAME</u>	<u>NAME</u>	<u>NAME</u>	<u>SER. NO.</u>	<u>SER. NO.</u>	<u>SER. NO.</u>	<u>SER. NO.</u>	<u>CAL DATE</u>
<u>CONDUCTED BY</u>				<u>APPROVED BY</u>		<u>NAME/AFFILIATION</u>		

<u>Step</u>	<u>Parameter</u>	<u>Specification</u>	<u>Results</u>
20.	RG Indication	0011 111 111 111 111	_____
22.	RG Indication	1100 000 000 000 000	_____
24.	RG Indication	1100 000 000 000 001	_____
26.	RG Indication	1100 000 000 000 000	_____
49.	RG Indication	0011 111 111 111 110	_____
55.	RG Indication	0011 111 111 111 110	_____
63.	RG Indication	0011 111 111 111 100	_____
69.	RG Indication	0011 111 111 111 111	_____
91.	RG Indication	0011 111 111 111 111	_____
93.	RG Indication	1100 000 000 000 000	_____
95.	RG Indication	1100 000 000 000 001	_____
99.	RG Indication	1100 000 000 000 000	_____
120.	RG Indication	0011 111 111 111 110	_____
126.	RG Indication	0011 111 111 111 110	_____
134.	RG Indication	0011 111 111 111 100	_____

DATE 18 JAN 68

APOLLO G & N
EQUIPMENT TEST
DATA SHEET 3 OF 5

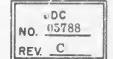


JOB CDU COUNTERS TEST

<u>Step</u>	<u>Parameter</u>	<u>Specification</u>	<u>Results</u>
339.	RG Indication	0011 111 111 111 110	_____
347.	RG Indication	0011 111 111 111 100	_____
353.	RG Indication	0011 111 111 111 111	_____
373.	REG SEL Indication	1111 111 111 111 111	_____
385.	REG SEL Indication	1101 010 101 010 101	_____
397.	REG SEL Indication	0000 000 000 000 000	_____
416.	FREQUENCY COUNTER Display	1024	_____
426.	REG SEL Indication	BIT 16 is a "0"	_____
445.	FREQUENCY COUNTER Display	1024	_____
455.	REG SEL Indication	BIT 17 is a "0"	_____
467.	REG SEL Indication	1111 111 111 111 111	_____
479.	REG SEL Indication	1101 010 101 010 101	_____
481.	REG SEL Indication	0000 300 000 000 000	_____
510.	FREQUENCY COUNTER Display	1024	_____
520.	REG SEL Indication	BIT 14 is a "0"	_____
539.	FREQUENCY COUNTER Display	1024	_____
549.	REG SEL Indication	BIT 14 is a "0"	_____
561.	REG SEL Indication	1111 111 111 111 111	_____
573.	REG SEL Indication	1101 010 101 010 101	_____
585.	REG SEL Indication	0000 000 000 000 000	_____

DATE 18 JAN 68

APOLLO G & N
EQUIPMENT TEST
DATA SHEET 2 OF 5

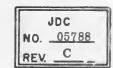


JOB CDU COUNTERS TEST

<u>Step</u>	<u>Parameter</u>	<u>Specification</u>	<u>Results</u>
140.	RG Indication	0011 111 111 111 111	_____
162.	RG Indication	0011 111 111 111 111	_____
164.	RG Indication	1100 000 000 000 000	_____
166.	RG Indication	1100 000 000 000 001	_____
170.	RG Indication	1100 000 000 000 000	_____
191.	RG Indication	0011 111 111 111 110	_____
197.	RG Indication	0011 111 111 111 110	_____
205.	RG Indication	0011 111 111 111 100	_____
211.	RG Indication	0011 111 111 111 111	_____
233.	RG Indication	0011 111 111 111 111	_____
235.	RG Indication	1100 000 000 000 000	_____
237.	RG Indication	1100 000 000 000 001	_____
241.	RG Indication	1100 000 000 000 000	_____
262.	RG Indication	0011 111 111 111 110	_____
268.	RG Indication	0011 111 111 111 110	_____
276.	RG Indication	0011 111 111 111 100	_____
282.	RG Indication	0011 111 111 111 111	_____
304.	RG Indication	0011 111 111 111 111	_____
306.	RG Indication	1100 000 000 000 000	_____
308.	RG Indication	1100 000 000 000 001	_____
312.	RG Indication	1100 000 000 000 000	_____
333.	RG Indication	0011 111 111 111 110	_____

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APOLLO G & N
EQUIPMENT TEST
DATA SHEET 4 OF 5



JOB CDU COUNTERS TEST

<u>Step</u>	<u>Parameter</u>	<u>Specification</u>	<u>Results</u>
604.	FREQUENCY COUNTER Display	1024	_____
614.	REG SEL Indication	BIT 13 is a "0"	_____
633.	FREQUENCY COUNTER Display	1024	_____
643.	REG SEL Indication	BIT 13 is a "0"	_____
657.	REG SEL Indication	1111 111 111 111 111	_____
669.	REG SEL Indication	1101 010 101 010 101	_____
681.	REG SEL Indication	0000 000 000 000 000	_____
702.	FREQUENCY COUNTER Display	1024	_____
712.	REG SEL Indication	BIT 12 is a "0"	_____
732.	FREQUENCY COUNTER Display	1024	_____
742.	REG SEL Indication	BIT 12 is a "0"	_____
754.	REG SEL Indication	1111 111 111 111 111	_____
766.	REG SEL Indication	1101 010 101 010 101	_____
778.	REG SEL Indication	0000 000 000 000 000	_____
799.	FREQUENCY COUNTER Display	1024	_____
809.	REG SEL Indication	BIT 11 is a "0"	_____
830.	FREQUENCY COUNTER Display	1024	_____
840.	REG SEL Indication	BIT 11 is a "0"	_____

DATE 18 JAN 68